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Smith College Bulletin

CATALOGUE NUMBER
1952-1953

With Course Announcements for 1953-1954

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Smith College Bulletin

The Catalogue Number
1952-1953

WITH ANNOUNCEMENT OF COURSES
FOR 1953-1954

NORTHAMPTON, MASSACHUSETTS

Visitors

Visitors are always welcome at the College. Student guides, whose headquarters are College Hall 1, are available for conducting tours of the campus. Their services may be reserved in advance by application to the Board of Admission.

Candidates for admission and pre-college students are urged to secure appointments in advance with the Director or Assistant Director of Admission and, if they are interested in scholarship and self-help opportunities, with the Director of Scholarships and Student Aid.

Administrative offices in College Hall are open Monday through Friday from 8:30 A.M. to 4:30 P.M. At other times, including holidays, officers and staff are available only if an appointment is made in advance.

Correspondence

Inquiries of various types concerning Smith College may be made of the following officers and their staffs, either by mail or by interview. The post office address is Northampton, Massachusetts.

ADMISSION OF STUDENTS: Mrs. Ruth W. Crawford, *Director*

RESIDENCE & GENERAL WELFARE OF STUDENTS: Mrs. Sidney A. Cook, *Warden*

SCHOLARSHIPS & SELF-HELP: Miss Mary E. Mensel, *Director*

GRADUATE STUDY & FELLOWSHIPS: Miss Gladys A. Anslow, *Director*

FOREIGN STUDENTS: Mrs. Lomie Lee Johnson, *Secretary of the Committee*

HEALTH OF STUDENTS: Dr. Marion F. Booth, *College Physician*, Gateway House

ACADEMIC STANDING:

Mrs. Brewer G. Whitmore, *Dean of the Class of 1953*

Miss Marie Schnieders, *Dean of the Class of 1954*

Miss Charlotte H. Fitch, *Dean of the Class of 1955*

Miss Ruth T. Murdoch, *Dean of the Class of 1956*

Mrs. Allison W. Marsh, *Dean of the Class of 1957*

PUBLICATIONS: Mrs. Neil Chapin Jr., *Secretary for Publications*

LOANS FROM STUDENTS' AID SOCIETY: Miss Eleanor T. Lincoln, 54 Prospect Street

PAYMENT OF BILLS: Mr. William A. Bodden, *Treasurer*

SCHOOL FOR SOCIAL WORK: Miss Florence R. Day, *Director*

ALUMNAE AFFAIRS: Mrs. Clifford P. Cowen, *General Secretary*, Alumnae House

PUBLIC RELATIONS & RESOURCES: Mrs. E. T. Willson, *Director*

TRANSCRIPTS & RECORDS: Mrs. Gladys D. Diggs, *Registrar*

TABLE OF CONTENTS

Visitors, Correspondence	2
Calendar for 1953, 1954	4
College Calendar	5
The Board of Trustees	6
The Board of Counselors	6
Officers of Instruction and Administration	7
Standing Committees of the Faculty	26
History of Smith College	29
Admission of Undergraduates	34
The Curriculum	38
Courses of Study	46
Interdepartmental Courses	47
Departmental Courses	49
Interdepartmental Majors	137
Graduate Study	141
General Information	142
The College Community	142
Expenses	147
Scholarships and Financial Aid	148
Endowed Scholarships and Prizes	150
Awards, Honors, and Degrees	158
Smith College School for Social Work	171
The Alumnae Association	176
Statistical Summary of Students in College	183
Midyear Examination Schedule for 1953-54	186
Index	188

1953

1954

JANUARY 1953
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College Calendar

SECOND SEMESTER 1952-1953

MONDAY, FEBRUARY 2, Second Semester begins
FRIDAY, FEBRUARY 20, Meeting of the Board of Trustees
WEDNESDAY, MARCH 25, 3:50 P.M. to THURSDAY, April 9, 9:00 A.M., Spring Recess
FRIDAY, APRIL 17, Meeting of the Board of Trustees
MAY 12-21, Reading Period
MAY 13, 9:00 A.M., Senior Examinations
FRIDAY, MAY 22, Free Day
MAY 23-JUNE 2, Final Examinations
FRIDAY, JUNE 5, Meeting of the Board of Trustees
MONDAY, JUNE 8, Commencement Day

FIRST SEMESTER, 1953-1954

MONDAY, SEPTEMBER 21, Registration for Freshmen
WEDNESDAY, SEPTEMBER 23, 9:00 A.M., First Chapel and Required Registration
THURSDAY, SEPTEMBER 24, 9:00 A.M., Classes begin
A DAY AFTER OCTOBER 5, Mountain Day (*holiday*)
FRIDAY, OCTOBER 16, Meeting of the Board of Trustees
WEDNESDAY, NOVEMBER 25, 12:50 P.M. to MONDAY, NOVEMBER 30, 9:00 A.M., Thanksgiving Weekend
FRIDAY, DECEMBER 18, 12:50 P.M. to TUESDAY, JANUARY 5, 9:00 A.M., Winter Recess
JANUARY 11-18, Reading Period
MONDAY, JANUARY 18, Classes follow Wednesday schedule.
TUESDAY, JANUARY 19, Free Day
JANUARY 20-29, Midyear Examinations

SECOND SEMESTER 1953-1954

MONDAY, FEBRUARY 1, Second Semester begins
FRIDAY, FEBRUARY 19, Meeting of the Board of Trustees
WEDNESDAY, MARCH 24, 3:50 P.M. to THURSDAY, APRIL 8, 9:00 A.M., Spring Recess
FRIDAY, APRIL 16, Meeting of the Board of Trustees
MAY 11-20, Reading Period
MAY 12, 9:00 A.M., Senior Examinations
FRIDAY, MAY 21, Free Day
MAY 22-JUNE 1, Final Examinations
FRIDAY, JUNE 4, Meeting of the Board of Trustees
MONDAY, JUNE 7, Commencement Day

OPENING OF COLLEGE 1954-1955

MONDAY, SEPTEMBER 20, Registration for Freshmen
WEDNESDAY, SEPTEMBER 22, 9:00 A.M., First Chapel and Required Registration
THURSDAY, SEPTEMBER 23, 9:00 A.M., Classes begin

The Board of Trustees

BENJAMIN FLETCHER WRIGHT, PH.D., LL.D. (<i>President</i>)	Northampton
ELIZABETH CUTTER MORROW, B.L., L.H.D., LL.D., LITT.D. (<i>Honorary Chairman</i>)	Englewood, N. J.

Term

expires

1954	FRANKLIN EDDY PARKER, JR., A.B., LL.B.	New York
1955	GARDINER SYMONDS, A.M.	Houston
1956	FRANCIS MCMASTER KNIGHT, B.A.	Chicago
1957	MARY PILLSBURY LORD, A.B.	New York
1957	MORRIS FELTON LACROIX, M.E.	Boston
1958	ALEXANDER ISELIN HENDERSON, A.B., LL.B.	New York
1959	PAUL HERMAN BUCK, PH.D., LL.D., LITT.D.	Cambridge
1960	JUSTINA HAMILTON HILL, M.S., SC.D. (hon.)	New York
1961	POMEROY DAY, B.A., LL.B.	Hartford
1954	AMANDA BRYAN KANE, A.B. (<i>Chairman</i>)	New York
1956	DOROTHY FOSDICK, PH.D., LL.D.	Washington
1958	EMILY CRABBE BALLOU, A.B.	Wellesley Hills
1960	ANNE CUTTER COBURN, M.A.	Cleveland
	FLORENCE MACDONALD, A.B., <i>Secretary</i>	Northampton
	WILLIAM ALBERT BODDEN, B.A., <i>Treasurer and Controller</i>	Northampton

The Board of Counselors

MRS JOHN BARCLAY, JR., <i>Chairman</i>	Greensburg, Pennsylvania
MISS FLORENCE H. SNOW, <i>Executive Vice-Chairman</i>	Northampton
ROBERT CONGDON	HAROLD B. HOSKINS
Duluth, Minnesota	Washington
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Worcester, Massachusetts	Evanston, Illinois
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Glencoe, Illinois	Burlingame, California
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Portland, Oregon	Lincoln, Massachusetts
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New York City	Belmont, Massachusetts
PHILIP HOFER	MRS JOHN WINTERSTEEN
Cambridge, Massachusetts	Philadelphia, Pennsylvania

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JOSEF WIEHR, PH.D.

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LOUISE DELPIT, CONCOURS CERTIFICAT

LETTRES, O.A.

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MARY BELLE McELWAIN, PH.D., LITT.D.

FLORENCE ALDEN GRAGG, PH.D.

MARY DUNHAM, M.A.

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L.H.D., LITT.D.

ANNA ADÈLE CHENOT, A.M.

LUCY LORD BARRANGON, A.M.

RICHARD ASHLEY RICE, A.M.

Professor Emeritus of Philosophy (1930)

Professor Emeritus of Mathematics (1931)

*Professor Emeritus of English Language
and Literature* (1932)

Professor Emeritus of Physics (1933)

*Associate Professor Emeritus of Chem-
istry* (1933)

*Associate Professor Emeritus of English
Language and Literature* (1934)

Professor Emeritus of Music (1936)

*Professor Emeritus of German Language
and Literature* (1937)

*Associate Professor Emeritus of Latin
Language and Literature* (1937)

*Professor Emeritus of Spanish Language
and Literature* (1939)

*Professor Emeritus of French Language
and Literature* (1940)

College Archivist Emeritus (1940)

*Professor Emeritus of Classical Languages
and Literatures* (1942)

*Professor Emeritus of Classical Languages
and Literatures* (1943)

Librarian Emeritus (1943)

Warden Emeritus (1944)

*Associate Professor Emeritus of French
Language and Literature* (1944)

Associate Professor Emeritus of Art (1944)

*Professor Emeritus of English Language
and Literature* (1946)

Key for superscripts used in this section: † Absent for the year; * absent for the first semester; ** absent for the second semester; ‖ with the Juniors in France; ‡ in Spain; § in Geneva; | in Italy; ¹ appointed for the first semester; ² appointed for the second semester.

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D.LIT., L.H.D.

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À L'AGRÉGATION, O.A.

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L'INSTRUCTION PUBLIQUE

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LELAND HALL, M.A.

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AGNES CARR VAUGHAN, PH.D.

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KATE RIES KOCH, A.M., M.L.D.

ANACLETA CANDIDA VEZZETTI, DOTTORE IN
FILOSOFIA E PEDAGOGIA

GERTRUDE GOSS

Professor Emeritus of History (1946)

Professor Emeritus of Sociology (1946)

*Professor Emeritus of English Language
and Literature (1946)*

*Associate Professor Emeritus of History
(1946)*

*Associate Professor Emeritus of Physics
(1947)*

*Associate Professor Emeritus of Botany
(1947)*

*Professor Emeritus of Italian Language
and Literature (1948)*

*Professor Emeritus of Classical Lan-
guages and Literatures (1948)*

Professor Emeritus of Mathematics (1948)
Registrar Emeritus (1948)

Professor Emeritus of Philosophy (1949)

*Professor Emeritus of Classical Languages
and Literatures (1949)*

*Associate Professor Emeritus of French
Language and Literature (1949)*

*Associate Professor Emeritus of Bacte-
riology (1950)*

Associate Physician Emeritus (1950)

Professor Emeritus of Music (1952)

Professor Emeritus of Economics (1952)

*Professor Emeritus of English Language
and Literature (1952)*

Professor Emeritus of Zoology (1952)

Professor Emeritus of Chemistry (1952)

Professor Emeritus of Music (1952)

Professor Emeritus of History (1952)

*Professor Emeritus of Classical Languages
and Literatures (1952)*

*Secretary Emeritus of the Board of
Trustees (1952)*

*Associate Professor Emeritus of Land-
scape Architecture (1952)*

*Associate Professor Emeritus of Italian
Language and Literature (1952)*

*Associate Professor Emeritus of Physical
Education (1952)*

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†NEWTON ARVIN, A.B.	<i>Professor of English Language and Literature</i>
*WYSTAN HUGH AUDEN, B. A. (Oxon.)	<i>William Allan Neilson Professor of English</i>
DOROTHY CAROLIN BACON, PH.D.	<i>Professor of Economics</i>
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C. PAULINE BURT, PH.D., SC.D. (hon.)	<i>Professor of Chemistry</i>
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†MARY ELLEN CHASE, PH.D., LITT.D., L.H.D.	<i>Professor of English Language and Literature</i>
MARY EVELYN CLARKE, PH.D.	<i>Professor of Philosophy</i>
ALISON LOOMIS COOK, A.B.	<i>Warden</i>
HALLIE FLANAGAN DAVIS, A.M., L.H.D.	<i>Professor of Drama and Director of Theatre</i>
ROBERT GORHAM DAVIS, A.M.	<i>Professor of English Language and Literature</i>
FLORENCE ROBERTS DAY, M.SC. (Soc. Admin.)	<i>Director of the Smith College School for Social Work</i>
VERA MICHELES DEAN, PH.D.	<i>Visiting Professor of Government</i>
NEAL BREAULE DENOOD, PH.D.	<i>Professor of Sociology</i>
*ELIZABETH DREW, B.A. (Oxon.)	<i>Visiting Professor of English Language and Literature</i>
ERNEST CHARLES DRIVER, PH.D.	<i>Professor of Zoology</i>
JOHN WOODS DUKE	<i>Professor of Music</i>
ESTHER CLOUDMAN DUNN, PH.D.	<i>Professor of English Language and Literature on the Mary Augusta Jordan Foundation</i>
*SAMUEL ATKINS ELIOT, JR., A.B.	<i>Professor of English Language and Literature</i>

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RUTH LEE KENNEDY, PH.D.

OLIVER WATERMAN LARKIN, A.M.

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HELEN MUCHNIC, PH.D.

SIDNEY RAYMOND PACKARD, PH.D.

†CHARLES HUNT PAGE, PH.D.

HOWARD ROLLIN PATCH, PH.D., LITT.D.

HELEN WHITCOMB RANDALL, PH.D.

Professor of Music

Professor of History on the Dwight W. Morrow Foundation

Professor of Spanish Language and Literature

Professor of History

Professor of German Language and Literature

College Archivist, Executive Secretary of Friends of the Library, Director of the Sophia Smith Collection

Professor of French Language and Literature on the Helen and Laura Shedd Foundation

Professor of Religion and Biblical Literature on the Charles N. Clark Foundation

Professor of English Language and Literature

Professor of Art and Director of the Smith College Museum of Art

Professor of History

Professor of Psychology

Librarian

Professor of Art

Professor of Spanish Language and Literature

Professor of Art

Professor of Philosophy

Professor of English Language and Literature

Professor of Mathematics

Professor of Physics

Professor of Russian Language and Literature

Syndenham Clark Parsons Professor of History

Professor of Sociology

Professor of English Language and Literature

Dean and Professor of English Language and Literature

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 EDGAR WIND, PH.D.
 FREDERICK WARREN WRIGHT, PH.D.

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Professor of Zoology
Professor of Chemistry
Professor of Speech
Professor of Music
Professor of Psychology
Professor of Zoology
Professor of Education and Child Study
Director of Public Relations and Resources
Professor of Philosophy and of Art
L. Clark Seelye Professor of Classical Languages and Literatures

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SARA BACHE-WIIG, PH.D.

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Associate Professor of Education and Child Study and Director of the Elisabeth Morrow Morgan Nursery School

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ED.M.

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Director of Admission

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BIANCA DEL VECCHIO, DIPLOMA DI MAGISTERO

Associate Professor of Music

MARION DERONDE, A.B.

Associate Professor of Music

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L'UNIVERSITÉ DE DIJON

Associate Professor of English Language and Literature

RENÉ GUIET, DOCTEUR DE L'UNIVERSITÉ
DE PARIS

Associate Professor of French Language and Literature

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RICHARD EDWARD JOHNSON PH.D.

MERVIN JULES

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MORRIS LAZEROWITZ, PH.D.

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ELEANOR TERRY LINCOLN, PH.D.

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ALAN BURR OVERSTREET, PH.D.

**WOLFGANG PAULSEN, PH.D.

†HELEN JEANNETTE PEIRCE, A.M.

MARGARET HILL PEOPLES, PH.D.

RAYMOND PRENTICE PUTMAN

**HELEN EVANGELINE REES, ED.D.

LOUISE MILES ROOD, A.M.

*STANLEY CURTIS ROSS, A.B., LL.D.

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FLORENCE MARIE RYDER, M.S.

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†MAX SALVADORI, DR.SC. (Pol.)

SOPHIE SATIN, FIRST DEGREE, MOSCOW UNIVERSITY, SC.D. (hon.)

Associate Professor of French Language and Literature

Associate Professor of Music

Associate Professor of Zoology

Associate Professor of English Language and Literature

Associate Professor of Mathematics

Associate Professor of Art

Associate Professor of Botany

Associate Professor of Geology and Geography

Associate Professor of History

Associate Professor of Speech

Associate Professor of Philosophy

Associate Professor of Art

Associate Professor of French Language and Literature

Associate Professor of English Language and Literature

Associate Physician

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Grace Frances Holt, B.A., B.L.S.
Frona Rice, A.M.

Head of Serials Department
Assistant

ARCHIVES AND ASSOCIATION OF FRIENDS OF THE LIBRARY

Margaret Storrs Grierson, PH.D.

*Archivist, Executive Secretary Friends
of the Library, Director of the Sophia
Smith Collection*

Ransom Waterman

Research Assistant

Helen Jurczewski Batura

Secretarial Assistant

THE SMITH COLLEGE MUSEUM OF ART

HENRY-RUSSELL HITCHCOCK, A.M.

Director

MARY BARTLETT COWDREY, A.B.

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Receptionist

SMITH COLLEGE GENETICS EXPERIMENT STATION

ALBERT FRANCIS BLAKESLEE, PH.D., SC.D.
(hon.), LL.D.

Director

SOPHIE SATIN, FIRST DEGREE, MOSCOW
UNIVERSITY, SC.D. (hon.)

Assistant Director

AMOS GREER AVERY, M.S.

Research Associate

JACOB RIETSEMA, PH.D.

Plant Physiologist

DENISE PARIS, LIC. ÈS SC.

Research Assistant

GLORIA REITER, A.M.

Research Assistant

HIEKE BRINKMAN, BIOL. DOCTA.

Research Fellow

DORIS KLUGMAN, B.S.A.

Research Fellow

EVA KUHN, STUD. REF.

Research Fellow

OFFICERS OF INSTRUCTION AND ADMINISTRATION SMITH COLLEGE SCHOOL FOR SOCIAL WORK

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GRACE K. NICHOLLS, M.S.S.	<i>Supervisor of Field Work</i>
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THE SMITH COLLEGE DAY SCHOOL

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JANICE RAE BROWN, ED.M.	<i>Teacher</i>
LOUISE WHITTIER GILES, A.B.	<i>Teacher</i>
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MURIEL ANNETTE LOGAN, ED.M.	<i>Teacher of Physical Education</i>
BEATRICE SWETOW CARLIN, B.S.	<i>Teacher of Music</i>
MARJORIE TURNER ETLER	<i>Teacher of Piano</i>
RITA ALBERS JULES	<i>Teacher of Art</i>
LAWRENCE ELLIOT BRIGGS, M.S.	<i>Assistant in Recreation</i>
CLAIRE CUTTEN MANWELL, A.B., M.D.	<i>Physician</i>
HAZEL HAWTHORNE BOWLES, R.N., M.A.	<i>Nurse</i>

ELISABETH MORROW MORGAN NURSERY SCHOOL

EVELYN M. BEYER, A.M.	<i>Director</i>
VIRGINIA CASS, B.S. IN ED.	<i>Teacher</i>
DOHENY HACKETT SESSIONS, M.ED.	<i>Teacher</i>
KATHRYN WAGNER RUSE	<i>Teacher</i>
RUTH E. HUDGINS, A.B.	<i>Assistant</i>
RUBY YEE, A.B.	<i>Apprentice</i>
CLAIRE CUTTEN MANWELL, A.B., M.D.	<i>Physician</i>
HAZEL HAWTHORNE BOWLES, R.N., M.A.	<i>Nurse</i>
KATHERINE C. SHEEHAN	<i>Secretary</i>

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THOMAS RUDDY, JR.	<i>Secretary to the Superintendent</i>
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HELENE M. McKEON	<i>Secretarial Assistant</i>
IRENE SADLOWSKI STEFAN	<i>Clerical Assistant</i>
MARY KELLOGG	<i>Clerical Assistant</i>
<hr/>	
WILLIAM I. P. CAMPBELL	<i>Horticulturist</i>
RAYMOND J. PERRY	<i>Superintendent of the Laundry</i>

HEADS OF HOUSE

MARTHA MARCELLE BREAKEY	<i>Franklin King House</i>
DOROTHEA EAGLESFIELD BRIDGMAN, B.A.	<i>Lawrence House</i>
PATRICIA PARKS BUTTERFIELD, A.B.	<i>Jordan House</i>
HELEN WOODS CHANDLER	<i>Laura Scales House</i>
VIRGINIA CHRISTIE	{ <i>Haven House</i>
	{ <i>Wesley House</i>
DOROTHY DEVEREUX CURTIN	{ <i>Capen House</i>
	{ <i>Capen Annex</i>
GRACE MAXWELL CURTIS, A.B.	<i>Comstock House</i>
ALICE SAWIN DAVIS, A.B., B.S.	<i>Hopkins Group</i>
ELIZABETH C. DAVIS	<i>150 Elm Street</i>
ELIZABETH CURTISS DE CERVANTES, A.B.	<i>Henshaw Group</i>
REBEKAH WARD ELLIOT	<i>Morris House</i>
JOSEPHINE WOODS ENGLISH	<i>Morrow House</i>
FRANCES SEABERT FINLEY	{ <i>Park House</i>
	{ <i>Park Annex</i>
HELEN LEWIS GOODENOUGH	<i>Martha Wilson House</i>
ANITA EMMET HALL	<i>Wallace House</i>
MARIANNE HEINEMANN	<i>German House</i>
KATHERINE AUSTIN HOLMES	<i>Sessions House</i>
ROSA ELEONORA VALBORG HORTON	<i>Northrop House</i>
ELEANOR BURDICK IRWIN, A.B.	<i>Ellen Emerson House</i>
LOUISE JEWELL JENCKS	<i>Chapin House</i>
DORIS ASHTON KING	<i>Wilder House</i>
MAYBELLE KINGSBURY LITTLEFIELD, A.B.	<i>Tenney House</i>
ELIZABETH LOWRY, B.L.	<i>Tyler House</i>

OFFICERS OF INSTRUCTION AND ADMINISTRATION

MAY IRENE McARTHUR	{ Parsons House Parsons Annex Gillett House Director, Davis Student Center Baldwin House Dawes House Washburn House Albright House Dewey House Clark House Talbot House Cushing House Gardiner House Hubbard House Fort Hill House
MARION MORRELL	
KATHRINE MATHILDE OCKENDEN	
CATHERINE YATES PAYNE, B.S., M.A.	
KATHARINE MOSSER PEDICONI, A.B.	
SARA BEAUVAIS ROSENTHALL	
MARIA GEVAERT SALAS	
JESSICA JENKS SAUNIER, A.B.	
HELEN PRESTON SAWYER	
MARY OLIVE SLEEPER, A.B.	
JOSEPHINE HARVEY TORREY	
EMILY CHAPIN WOOD, A.B.	
ELIZABETH LAIRD YOUNG, A.B.	

STANDING COMMITTEES OF THE FACULTY

ORGANIZATION OF THE COLLEGE

COMMITTEES (*elected*)

The President, the Dean, Miss Elinor Smith (1953), * Miss Edna Williams (1953), Miss Kenyon (1954), Miss Gertrude Smith (1954).

TENURE AND PROMOTION (*elected*)

The President, the Dean, Miss Mohler (1953), Mr Duke (1954), Mr Larkin (1955), Mr Graham (1956), Mr Hill (1957)

TRUSTEE-FACULTY CONFERENCE (*elected*)

Miss Lincoln (*chairman*) (1953), Mr Graham (1954), Miss Peoples (*secretary*) (1955), Miss Bacon (*Educational Policy*), Mr Duke (*Tenure and Promotion*)

ADMINISTRATIVE BOARD

The Dean (*chairman*), the Warden, The Class Deans, the Registrar, the College Physician, Mr Crary, Mr Hill, Mr Richard Johnson

CONFERENCE

The President, the Administrative Board, five members of the Student Council, four members of the House of Representatives

BOARD OF ADMISSION

The President (*chairman*), the Dean, Mrs Crawford, Miss Schmann, Mr F. Warren Wright, Miss Murdoch, Mr Bragdon, Miss Burt

*Date indicates end of term of service.

†Absent for the year.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

REGISTRATION OF STUDENTS

Miss Crook (*chairman*), Miss Bussell, Mrs Cohen, Mr Coffin, Mr Gibian, Miss Jennings, Miss Penney

CURRICULUM AND GUIDANCE OF STUDENTS

EDUCATIONAL POLICY (*elected*)

The President, the Dean (*chairman*), Miss Bacon (1953), Miss Corwin (1953), †Mr Page (1953), Miss Gabel (1954), Mr Overstreet (1954), †Miss Young (1954), Mr Davis (1955), Mr McCoy (1955), Mr Sherk (1955), Substitutes for one year: Miss Peoples, Miss Walsh

BOARD OF ADVISERS

The Dean (*chairman*), Miss Arrighi, Miss Ascher, Miss Bacon, Miss Barton, Miss Bourgoin, Mr Bragdon, Miss Burt, Mrs Cohen, Miss Carpenter, Mr Coffin, Mr Collins, Mr Crary, Mr Davis, Mr DeNood, Mrs Dillon, Mr Duke, Mr Fisher, Miss Gabel, Miss Gasool, Mr Gibian, Mr Graham, Mrs Haigh, Mr Hill, Mrs Hobbs, Miss Hornbeak, Miss Horner, Mr Richard Johnson, Miss Kallmann, Miss Kenyon, Mrs Koffka, Mrs Lazerowitz, Mr Lazerowitz, Miss Libby, Miss Lincoln, Mr McCoy, Miss Mohler, Miss Muchnic, Mr Overstreet, Miss Page, Miss Penney, Miss Peoples, Miss Robinton, Miss Sampson, Mr Schalk, Mr Sherk, Miss Sickels, Miss Siipola, Miss Silbert, Miss Elinor Smith, Miss Gertrude Smith, Mr Swinton, Mrs Taber, Miss TeWinkel, Mr von Klemperer, Miss Walsh, Mrs Whitmore, Mr Willett, Miss Edna Williams, Mr Kenneth Wright, Miss Fitch and Miss Murdoch (*ex officio*)

HONORS

Miss Wilson (*chairman*), the President, the Senior Class Dean, Miss Bacon, Mr Durham, Miss Kenyon, Miss Lincoln, Miss Gertrude Smith

GRADUATE STUDY

Miss Anslow (*chairman*), the President, Miss Ainsworth, Mr Hoyt, Miss Hornbeak, Miss Rood, Mr Wakeman, Mr Kenneth Wright, Mrs Holmes (*1st semester*), Miss Barton (*2nd semester*)

FOREIGN STUDENTS

Mr Hoyt (*chairman*), Miss Bourgoin, Miss Chin, Mr Chinoy, Miss Corwin, Mr Crary, Miss Navarro, Miss Edna Williams, Miss Mensel (*ex officio*)

OFFICERS OF INSTRUCTION AND ADMINISTRATION

OTHER COLLEGE BUSINESS

LIBRARY

Miss Sampson (*chairman*), the Librarian, Mrs Haigh, Miss Levy, Mrs Taber

LECTURES

Mrs Van der Poel (*chairman*), Mr Davis, Mr Overstreet, Miss Siipola, Mr Dewey (*secretary*)

MOTION PICTURES

Mr Jules (*chairman*), Mr Dowell, Mrs Guilloton, Miss Schnieders, Mrs Whitmore, Mrs Cantarella (*secretary*)

SCHOLARSHIPS

The President (*chairman*), the Dean, the Warden, Miss Mensel, Mr Bodden, Miss Stobbe, Mr F. Warren Wright, Mr Hoyt (*ex officio*)

STUDENTS' AID SOCIETY

Mrs Hobbs, Miss Lincoln

HONORARY DEGREES

Miss Anslow (*chairman*) (1954), Mr Packard (1953), Miss Dunn (1955)

JUNIPER LODGE

Miss Carpenter (*chairman*), Miss Barton, Miss Chin, Miss Kenyon, Mrs Whitmore

FACULTY OFFICES

Mr Driver (*chairman*), Miss Ascher, Miss Hornbeak

SPECIAL COMMITTEES

HYGIENE REQUIREMENT

Mr Taylor (*chairman*), Dr Booth, Dr Scott (*secretary*), Miss Horner, Miss Robinton, Miss Murdoch (*ex officio*)

MARSHALS

Mr Willett (*college marshal*), Mr Dewey, Mr Kenneth Wright, Miss Chin, Miss Russell, Miss Marjorie Williams

CHAIRMEN OF ACADEMIC DIVISIONS

I THE HUMANITIES: Miss Corwin

II SOCIAL SCIENCES AND HISTORY: Mr Bragdon

III NATURAL SCIENCES AND MATHEMATICS: Mr Sherk

History of Smith College

Smith College began in the conscience of a New England woman. The sum of money with which the first land was bought, the first buildings erected, and the foundations of the endowment laid had been amassed by a man who, like many Americans, had made a fortune without any apparent ulterior purpose. He seems to have bequeathed it to his sister because he had not made up his mind what else to do with it. Sophia Smith left it for the founding of a college for women because after much perplexity, deliberation, and advice, she had concluded that thus she could best fulfill a moral obligation.

The advice had its inception in the mind of a New England minister. From John Morton Greene, Sophia Smith received suggestions which she pondered and discussed, and from among which she finally accepted that which we must acclaim as the wisest and most beneficent. The idea that Mr. Greene presented and Sophia Smith adopted is clearly expressed in a passage in Sophia Smith's will that must be regarded as their joint production, drafted by him, amended and approved by her. The language is as follows:

I hereby make the following provisions for the establishment and maintenance of an Institution for the higher education of young women, with the design to furnish for my own sex means and facilities for education equal to those which are afforded now in our Colleges to young men.

It is my opinion that by the higher and more thorough Christian education of women, what are called their "wrongs" will be redressed, their wages adjusted, their weight of influence in reforming the evils of society will be greatly increased, as teachers, as writers, as mothers, as members of society, their power for good will be incalculably enlarged.

Later, after enumerating the subjects which still form the substance of the curriculum of the College, she adds: "And in such other studies as coming times may develop or demand for the education of women and the progress of the race, I would have the education suited to the mental and physical wants of woman. It is not my design to render my sex any the less feminine, but to develop as fully as may be the powers of womanhood, and furnish women with the means of usefulness, happiness and honor, now withheld from them." She further directed that "without giving preference to any sect or denomination, all the education and all the discipline shall be pervaded by the Spirit of Evangelical Christian Religion."

NOTE:—Among the sources of this account are the historical addresses given by President William Allan Neilson on the Fiftieth Anniversary and by Ada Comstock Notestein '97 (former Dean of Smith and President of Radcliffe) on the Seventy-Fifth Anniversary of the College.

HISTORY OF SMITH COLLEGE

When one considers what would today be regarded as the somewhat narrow and puritanical type of culture in which the authors of these sentences were living, one cannot fail to be impressed by their wisdom, liberality, and farsightedness. The general terms in which the purposes of women's education are defined are perfectly valid today. Provision is made for change of outlook and development in the scope of education. While the fundamentally religious interest of the founder is stressed, the College is kept clear of entanglement with institutional Christianity, and the only prescription is the pervading of instruction by the spirit of the gospel of Jesus Christ. This injunction has been obeyed in the past, we trust and believe it is being obeyed in the present, and there is no reason to believe that it will not be willingly and gladly observed in the future.

I

It is one thing to state an ideal and give a commission, it is another to carry them out. Laurenus Clark Seelye in 1873 undertook the presidency of the new college, and in 1875 Smith College was opened with fourteen students. His inaugural address laid down the main lines of educational policy on which the new college was to run, and again it is amazing to note how little these have to be modified to describe the College of today. There is the same high standard of admission, matching that of the best colleges for men, the same breadth in the curriculum, the same emphasis on literature, art, and music. What we are less likely to note is the faith needed to establish these standards and to stick to them in an atmosphere of skepticism and ridicule.

For thirty-five years President Seelye carried the College forward. Its assets grew from the original bequest of about \$400,000 to over \$3,000,000; its faculty from half a dozen to 122; its student body from 14 to 1635; its buildings from three to 35. These figures are a testimony to his remarkable financial and administrative ability, yet they are chiefly important as symbols of a greater achievement. With few educational theories—none of them revolutionary—he had set going a process for the molding of minds and spirits of young women, had supervised the process for a generation, and had stamped upon several thousand graduates the mark of his own ideals and his own integrity.

II

It is hard to follow the king and the problem which faced President Seelye's successor was no easy one. The growth of the College had acquired a strong momentum, and numbers increased of themselves; Marion Le Roy Burton's task was to perfect the organization for taking care of these numbers. This meant the modernizing of the business methods of the administration, the improvement of the ratio of instructors to students, the raising of salaries to retain and improve the staff, the providing of more adequate equipment, and the revision of the curriculum. The seven years of his service saw the further growth of the College to over

HISTORY OF SMITH COLLEGE

1900 students, the increase of its assets by over \$1,000,000, and substantial progress in educational efficiency. The business reorganization was well begun when in 1917 President Burton accepted the presidency of the University of Minnesota.

III

Now one of the largest women's colleges in the world, Smith College faced problems which it shared with both colleges and universities. President William Allan Neilson set about to develop all the advantages which only a large institution can offer, and at the same time to avoid any disadvantages which might be inherent in the size of the institution. While the number of instructors was constantly increased, the number of students was held to approximately two thousand. With the construction of further dormitories, each one of them housing sixty or seventy students in accordance with the original "cottage plan" of the founders, it became possible for all students to live "on campus." An expanded administrative system provided a separate Dean for each college class, a staff of five resident physicians, and a Director of Vocational Guidance and Placement. In addition, the curriculum was revised under President Neilson's guidance in order to provide a pattern now generally familiar in institutions throughout the country: a broad general foundation in various fields of knowledge followed by a more intensive study of a major subject.

There were other innovations. The School for Social Work resulted from a suggestion that the College give training in psychiatric social work and thus serve in the rehabilitation of veterans of World War I. The Smith College Day School and the Elisabeth Morrow Morgan Nursery School gave students in education a field for observation and practice teaching. The Junior Years Abroad, Special Honors programs, and interdepartmental majors in science, landscape architecture, and theatre added variety and incitement to the course of study.

Yet the great contribution of President Neilson's long administration did not lie in any of these achievements or in their sum. In his time Smith College came to be recognized in America and abroad not only as a reputable member of the academic community but as one of the leading colleges of this country, whether for men or women. Its position in the front rank was established. Its size, its vigor, the distinction of its faculty, and the ability of its alumnae were factors in this recognition; but a certain statesmanlike quality in its President had much to do with bringing it to the fore whenever academic problems were under discussion. Wherever Mr. Neilson went, his ability to penetrate to the heart of a question helped to clarify thinking, dissipate prejudice, and foster agreement; and the College rose with him in the estimation of the educational world and of the country.

IV

The fourth administration of Smith College began, like the third, in a time of international conflict, under the cloud of wars and rumors of wars. President

HISTORY OF SMITH COLLEGE

Neilson retired at the end of the academic year 1938-39; during the interregnum Mrs. Elizabeth Cutter Morrow served her college as Acting President and earned its deep gratitude. At the opening of the year 1940-41, President Herbert Davis, formerly Professor of English at the University of Toronto and at Cornell University, took office. "This is not a time to prophesy smooth things, or to dream dreams," President Davis said in his inaugural address on October 17, 1940. "It is not a time for experiment; not a time to advance to new positions, or to undertake new responsibilities. It is a time rather for consolidation, for holding on to what we know is worth maintaining."

The College went into year-round session; faculty and staff were called into many fields of government service. The Navy Department invited Smith College to provide facilities for the first Officers' Training Unit of the Women's Reserve, and College, Alumnae Association, and City cooperated to such purpose that 9567 naval officers had been commissioned when the school closed in January, 1945. To compensate somewhat for the suspension of the Junior Years Abroad, foreign-language houses for students interested in French and Spanish were established after the model of the German House which had been founded, also in consequence of conditions abroad, in 1935.

During these years President Davis did not relax the standards of quality and achievement to which he and those before him had committed the College. Peace brought a return to the regular calendar, a major curriculum revision, and serious financial problems. With the partial completion of the 75th Anniversary Fund, faculty salaries were somewhat increased and several long-needed projects undertaken. Among them was a student center so successfully adapted from an old gymnasium that the students named it Davis Center as a mark of affection for their president shortly before he left in June, 1949 to accept a post at Oxford University.

V

The Anniversary year 1949-50 opened under a new president, Benjamin Fletcher Wright, formerly Professor of Government at Harvard University and Chairman of that University's important Committee on General Education. The Inauguration of the President and the Convocation in honor of the seventy-fifth year, held jointly on the 19th and 20th of October, were marked in word and spirit by recognition not only of the brilliant record of the past but of a great responsibility toward the future. "Our legacy is not narrow and confining," said Mr. Wright in his inaugural address. "The founders of this College faced their own times with courage, and they had confidence that later generations would advance their work. We shall be faithful to that trust only if we carry on our heritage in their spirit." Eight months later at an Anniversary Assembly in June, this confidence was notably demonstrated in the successful completion of a Seven Million Dollar Fund representing four years of devoted and indefatigable effort on the part of alumnae, students, and friends of the College in the face of increasingly unfavorable economic factors.

HISTORY OF SMITH COLLEGE

The growth of Smith College is evident enough in the contrast between the small beginnings and the present achievement: between the original corner lot of 13 acres and a campus of 214 acres; between Sophia Smith's legacy of \$400,000 and current assets of \$25,773,706; between the first class of 14 and today's enrollment of 2293; between the 11 graduates of 1879 and an alumnae roster of 22,230. But the ideals of the founders, of President Seelye, and of all the great company who have loved the College and worked for it with devotion are the same; the purpose of education as defined by President Davis, "to produce free spirits and to let them work freely," continues to be the high purpose of Smith College.

THE WILLIAM ALLAN NEILSON CHAIR OF RESEARCH

The William Allan Neilson Professorship, commemorating his profound concern for scholarship and research, has been held by the following distinguished scholars:

KURT KOFFKA, PH.D. *Psychology*. 1927-32.

G. ANTONIO BORGES, PH.D. *Comparative Literature*. 1932-35.

SIR HERBERT J. C. GRIERSON, M.A., LL.D., LITT.D. *English*. Second semester, 1937-38.

ALFRED EINSTEIN, DR. PHIL. *Music*. First semester, 1939-40; 1949-50.

GEORGE EDWARD MOORE, D.LIT., LL.D. *Philosophy*. First semester, 1940-41.

KARL KELCHNER DARROW, PH.D. *Physics*. Second semester, 1940-41.

CARL LOTUS BECKER, PH.D., LITT.D. *History*. Second semester, 1941-42.

ALBERT F. BLAKESLEE, PH.D., SC.D. (hon.). *Botany*. 1942-43.

EDGAR WIND, PH.D. *Art*. 1944-48.

DAVID NICHOL SMITH, M.A., D.LITT. (hon.), LL.D. *English*. First semester, 1946-47.

DAVID MITRANY, PH.D., D.SC. *International Relations*. Second semester, 1950-51.

PIETER GEYL, LIT.D. *History*. Second semester, 1951-52.

WYSTAN HUGH AUDEN, B.A. (Oxon.). *English*. Second semester, 1952-53.

Admission of Undergraduates

SMITH COLLEGE accepts candidates for the degree of Bachelor of Arts both as members of the Freshman Class and as members of the Sophomore or Junior classes with acceptable credits from other colleges. The Freshman Class is selected on a competitive basis, careful consideration being given to each applicant's record as a whole.

APPLICATION FOR ADMISSION

An applicant for admission registers by filling out and submitting an application form which the Board of Admission will furnish upon request, and by paying a registration fee of \$10 which is not refunded. If possible, such registration should be made well in advance of entrance to enable the applicant to receive the benefit of advice in making her entrance plans. Although the date of application is not considered in the selection of candidates, rooms in college houses are assigned to freshmen in order of their dates of application for admission.

SELECTION OF CANDIDATES

The Board of Admission meets in April each year to evaluate records of applicants to the Freshman Class. Its object is to admit students whose academic and health records testify to a capacity for carrying on college studies successfully and whose personal qualifications give assurance that they will be responsible members of the community. Both past achievement and promise of future achievement are given weight in this evaluation.

Besides the school record, the principal's recommendation, and the records of College Board tests, the Board of Admission utilizes such information as the results of psychological tests (for example, the Iowa Silent Reading Test and the American Council Psychological Tests) and records of the New York State Regents' examinations when these data are available. All credentials should reach the Board of Admission by March 15 in the year of entrance.

A deposit of \$50 must be made by June 1 if the student wishes to accept a place in the College. This deposit is not refunded in case of withdrawal before entrance.

ENTRANCE REQUIREMENTS

An important relationship exists between school and college work. In planning her preparation for entrance, a candidate should bear in mind the three different ways in which this relationship will affect her own college studies.

Primarily, the preparatory program recommended below is intended to assure for the student a satisfactory basis for the work which she will be asked to do on a

ADMISSION OF UNDERGRADUATES

college level. The discipline and the knowledge acquired from the study of English languages, mathematics-science, and history have a general bearing upon all college studies.

In addition, a student who has discovered special interests in school and has equipped herself to enter immediately upon more advanced work in college may take advantage of certain exceptions and special provisions and proceed more rapidly toward concentration. Conversely, a student who is specially qualified in English, languages, or history but whose main interest lies elsewhere may take advantage of exemption in order to release time for the pursuit of other subjects. Information concerning requirements and exemptions will be found on page 39.

As basic foundation for college work, the student should have completed a four-year secondary school program giving sixteen year credits and corresponding to one of the curricula presented below. The elective work may be in language, mathematics, science, history, art, Bible, or music. For special information concerning entrance credits for art, Bible, and music, apply to the Board of Admission.

<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>
English	4	English	4	English	4
Language	3*	Language	5**	Language	5**
{ Mathematics		Algebra	1	{ Mathematics	
{ Science	4†	Geometry	1	{ Science	4†
History	2‡	History	2‡	History	1
Elective	3	Elective	3	Elective	2
<hr/>		<hr/>		<hr/>	
Total	16	Total	16	Total	16

* Or two years in each of two different languages, making a total of four. No credit will be given for one year of a language.

† Three in mathematics and one in science (biology, chemistry, or physics), or four in mathematics.

‡ In different fields.

** One of the languages should be Latin or Greek.

The College is aware of the fact that there is variation among school curricula throughout the country. It is willing to give careful consideration to able students whose programs deviate at some points from those suggested above.

ENTRANCE TESTS

Candidates for admission to the Freshman Class are required to take the Scholastic Aptitude Test and three Achievement Tests. One Achievement Test must be in English; the others must be selected from two of these fields: (1) foreign languages (French, German, Latin, Spanish), (2) mathematics or science (intermediate mathematics, advanced mathematics, biology, chemistry, physics), (3) social studies (history). These tests should be taken in subjects studied in the senior year.

All candidates will be required to take these tests in their senior year. Students who complete the school course in June will be expected to take the three Achieve-

ADMISSION OF UNDERGRADUATES

ment Tests in March of that year and the Aptitude Test in January or March. If they take the Aptitude Test in January, they should not repeat it in March. Those students who are graduated in the middle of the year may take all the tests in January.

COLLEGE BOARD REGULATIONS

The College Entrance Examination Board will send free of charge to any school or applicant a copy of its *Bulletin of Information and Sample Tests* which contains full data concerning application, fees, and examination centers. The Board has set the following examination dates for 1952-53, and 1953-54:

1952-1953	1953-54
December 6, 1952	December 5, 1953
January 10, 1953	January 9, 1954
March 14, 1953	March 13, 1954
May 16, 1953	May 22, 1954
August 12, 1953	August 11, 1954

All candidates, except those living in states or foreign areas listed below, should make application by mail to the *College Entrance Examination Board, Box 592, Princeton, New Jersey*. Those who wish to take the examinations in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii, Alberta, British Columbia, Mexico, Australia, Pacific islands including Formosa and Japan should address their inquiries and send their applications to the *College Entrance Examination Board, Box 9896, Los Feliz Station, Los Angeles 27, California*.

In order to facilitate the arrangements for the conduct of the tests all applications should be filed as early as possible. The fee for the Scholastic Aptitude Test taken alone is \$6; for the Achievement Test alone \$8; for the Aptitude Test and the Achievement Tests taken on the same day \$12. Applications and fees should reach the office of the Board not later than the dates specified in the *Bulletin of Information and Sample Tests*. The final date for filing application for examination at an established center outside the United States, Canada, Canal Zone, Mexico and the West Indies is approximately two months prior to the date of the examination. Late applications will be subject to a penalty of \$3 in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date. Under no circumstances will an application from a candidate in the United States, Canada, Canal Zone, Mexico or the West Indies be accepted if it is received at a Board office later than one week prior to the date of the examination.

Requests for the establishment of new overseas centers should reach the appropriate Board office at least three months prior to a scheduled examination date.

ADMISSION OF UNDERGRADUATES

The College Entrance Examination Board will report the results of the tests to the institutions indicated on the candidates' applications. The College will, in turn, notify the candidates of the action taken upon their applications for admission. No reports on the tests will be sent to candidates by the Board.

FOREIGN STUDENTS

Smith College is interested in admitting foreign students and is willing to make exceptions for students who give evidence of ability to do college work. Applicants are advised to communicate with the Director of Admission well in advance of entrance in order that the College may advise them concerning entrance plans.

ADVANCED STANDING STUDENTS

The College admits each year a number of sophomores and juniors by transfer from other colleges. Candidates for admission with advanced standing should be able to submit official statements of entrance and college records, including the results of the Scholastic Aptitude Test or the College Transfer Test of the College Entrance Examination Board, and a letter of honorable dismissal from the college previously attended. Their school and college programs should correlate with the general college requirements given on p. 39 of this *Catalogue*.

Admission to advanced standing is competitive. Successful candidates are given credit without examination for acceptable work taken at another college. Shortages incurred when previous work is not accepted for the Smith College degree may be removed by carrying hours above the minimum or taking work in an approved summer school. During their first semester in residence, advanced standing students may not elect more than seventeen hours except by permission of the Administrative Board. At least two years' residence at Smith College is ordinarily required of a candidate for the degree of Bachelor of Arts.

READMISSION

A student who has withdrawn from college may apply to the Administrative Board for readmission. Application for readmission in September should be sent to the Registrar before April 1; for readmission in February before December 1.

In general, students who have withdrawn from college at the end of the first semester will be permitted to return only in the following February.

NONCOLLEGIATE STUDENTS

Qualified persons beyond the age of the undergraduate may be admitted to courses of study or to supervised research work with the approval of the Registrar and the instructor concerned. The fee is \$30 per semester hour.

Auditors should obtain the permission of the Registrar and of the instructor concerned. The fee for auditing is \$5 per semester course.

The Curriculum

As candidates for the degree of Bachelor of Arts, undergraduate students normally follow a four-year program in which they are required to complete one hundred and twenty hours of academic work as well as prescribed courses in physical education.* For graduation they must achieve a cumulative average of C (fair) in their academic work and a C average in the senior year; in computing these averages plus and minus signs are not taken into account. The minimum schedule for a semester consists of fifteen credit hours.

When plans can be approved before the end of the freshman year, it is possible in special cases for students to complete the work in three years by attending summer sessions elsewhere. Only in rare instances is the degree granted after a residence at Smith College of less than two years, one of which must be the senior year.

ORGANIZATION OF THE CURRICULUM

DIVISION I. THE HUMANITIES

- GROUP A. *Literature*: Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature
GROUP B. *Fine Arts*: Art, Music, Theatre
GROUP C. *Philosophy, Religion*

DIVISION II. SOCIAL SCIENCES AND HISTORY

- GROUP D. *History*
GROUP E. *Social Sciences*: Economics, Education, Government, Sociology, Social Science

DIVISION III. NATURAL SCIENCES AND MATHEMATICS

- GROUP F. *Physical Sciences and Mathematics*: Astronomy, Chemistry, Geology, Physics, Physical Science, Mathematics
GROUP G. *Biological Sciences*: Bacteriology, Botany, Psychology, Zoology, Biological Science

Speech and Physical Education are associated with Divisions I and III respectively.

* For this requirement in Physical Education see page 110.

GENERAL COLLEGE REQUIREMENTS

The program of the first two years of the college course is generally diversified, while the last two years are devoted primarily to study in a major field which is chosen at the end of the sophomore year.

Because the College considers experience in certain fields of knowledge essential to a liberal education, it has set a number of special and distribution requirements to be completed by the end of the junior year.

SPECIAL REQUIREMENTS

- (1) Six semester hours in Freshman English, required in the first year.

A few students with exceptionally high entrance records in English will be exempted from the requirement. Such students will be notified of exemption in the summer and may, if they wish, elect a Grade II course in English. A list of courses open to them will be sent with notification of exemption.

Freshmen who do not pass English 11 with a satisfactory grade must work tutorially in sophomore year with the Committee on Special Assistance in Written English.

- (2) Six semester hours in a foreign language. The minimum prerequisite for courses which fulfill the requirement is three entrance units in a language or six hours in college. Courses which fulfill the requirement are marked (L) and are offered in the following departments: Classics, French, German, Italian, Russian, Spanish.

NOTE—A 12 language course will not fulfill the requirement for students entering with two units in the language.

- (3) A knowledge of the fundamentals of hygiene. This requirement may be met in one of several ways as described under the Department of Hygiene and Bacteriology.

DISTRIBUTION REQUIREMENTS

- (1) Six semester hours in literature (Group A: Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature). This course must be taken in a language other than the one used to fulfill the foreign language requirement.

Students entering without units in Latin or Greek must fulfill this requirement through courses in classical literature either in the original or in translation.

- (2) Six semester hours in Art, Music, Theatre (Group B) or Philosophy, Religion (Group C).

Students are urged to take six semester hours in each group if possible.

THE CURRICULUM

- (3) Six semester hours in History (Group D).

Exemption from this requirement will be granted to students who offer at least three units of the proper content: ancient, American, European (medieval and modern, or modern since 1600), and who pass an examination in one of these fields, administered by the Department after the opening of college.

- (4) Six semester hours in Government, Economics, Sociology, or Social Science (Group E).

In rare cases students with preparation in these fields may be granted exemption on the basis of an examination. Application should be made to the Class Dean.

- (5) Six semester hours in Astronomy, Chemistry, Geology, Physics, Physical Science (Group F) or Botany, Zoology, Biological Science (Group G).

The courses which may be taken to fulfill these distribution requirements are named at the head of each department offering and specified in the list of Interdepartmental Courses, on p. 47.

THE MAJOR

In the junior and senior years the student devotes half or more of her time to study in a single field selected on the basis of a course or courses taken in the first two years. Major programs, which are offered in all departments except Hygiene, Physical Education, and Speech, are described under the department offerings (see pp. 49 ff). When a student enters upon her major she comes under the direction of a major adviser and obtains the approval of that adviser for her major program.

Of the thirty semester hours required in the major at least eighteen must be in courses of Grade III or higher in the field of concentration and of these twelve must be in the department. Students are required to take not less than twelve hours in the major field in each of junior and senior years. Courses taken in sophomore year, exclusive of the basic course, may be counted in the major.

At least six semester hours in the junior or the senior year must be taken in a division other than the one in which the student is majoring.

In the junior and senior years not more than twelve semester hours of Grade I, and not less than twenty-four semester hours above Grade II may be taken for credit toward graduation.

INTERDEPARTMENTAL MAJORS

The curriculum also includes interdepartmental majors in American Studies, General Literature, Bacteriology, Physiological Chemistry, Premedical Science, Theatre (see pp. 137 ff).

THE CURRICULUM

THE JUNIOR YEAR ABROAD

Students in good standing and with sufficient language training may, if conditions permit, spend the junior year in certain foreign countries in groups directed by members of the Smith College Faculty. The Junior Years in France, Italy, and Spain are intended primarily for language majors and the Junior Year in Geneva primarily for students majoring in economics, government, history, or sociology. However, majors in other fields with adequate preparation in language may apply to the appropriate committees with the consent of the department of the major. Properly prepared students from other colleges may be admitted to the groups.

The Junior Years Abroad are planned to afford as rich an opportunity as possible to observe and study the countries visited. Art, music, and theatre are available in the different cities and the Directors arrange occasional meetings for the groups with outstanding scholars, writers, and leaders. During the vacations students are free to travel to broaden their acquaintance with the country, although they may stay in residence if they prefer.

Applications, including permissions from parents, must be made by January 15 to the Office of the Dean. The size of the group and the selection of candidates will be determined by a faculty committee for each group. It is expected that applicants will have met all the college requirements of the first two years and any special conditions set by the Committees on the Junior Year Abroad. The physical condition of each student must be passed upon by the College Physician.

The Director of the group is granted by the College full control in matters of behavior and discipline, although the details of group procedure will be worked out with a student committee. The students are subject to social regulations similar to those that obtain in Smith College, but adapted to the different countries. The supervision of the Director ends with the close of the college year in each country.

The fee covering tuition and board is \$1800; travel and incidental expenses vary according to individual tastes and plans. A deposit of \$50 is payable by May 1 by students who have been provisionally accepted. It will be credited on the second semester bill and will not be refunded unless notice of withdrawal from the group is sent the Office of the Dean before June 1. Payment for the first semester should be made by August 15 in the case of students going to France, Geneva, Spain, and Italy, for the second semester by January 15. Checks should be sent to the Treasurer of Smith College, Northampton.

Neither the College nor the Director assumes or accepts any responsibility for personal injury to members or damage to or loss of property of members. Students are required to carry health and accident insurance which is available through a general college plan.

FRANCE: Arrangements are made for students to live in Paris with carefully selected families. Full-time junior programs consisting of work in French literature, history,

THE CURRICULUM

and art, and other aspects of French culture are planned by the Director. Courses are given by professors from the Sorbonne and other institutions. The language requirement for admission to the group is usually two years of college French if the student has entered with three units.

ITALY: The work of the year begins with a month in Perugia where intensive study of the language is undertaken at the University for Foreigners and with the Director. After the first of October this study is continued in Florence. The middle of November the group starts work in classes conducted especially for Smith College by professors of the University of Florence. The subjects offered are Italian art, history, language and literature. In Perugia the students stay in a first-class hotel or pension; in Florence they live in private homes chosen by the Director. The minimum requirement for admission is normally two years of college Italian. By special action of the committee promising students with only one year of Italian may be accepted.

SPAIN: After a preliminary month of intensive training in language spent in one of the provincial cities, the juniors go to Madrid for the year's course of study. There they live either with carefully selected families or in a Residence for University Women. Full-time junior programs consisting of courses in Spanish literature, philosophy, history and art are planned by the Director and given by professors from the University of Madrid and other institutions. A minimum of two years of college Spanish is the normal requirement for admission.

GENEVA: The work in Geneva consists of international studies instead of the history and culture of a single country, and accordingly the group is composed primarily of majors in history, government, economics, and sociology. The courses permit the students, through work in the Graduate Institute of Higher International Studies and the University of Geneva, to study plans for world cooperation. Classes are available in diplomatic and contemporary history, international economics and finance, international law, and similar subjects. As the courses are given in French students are expected to pass one year of the language in college if they have entered with three units, and all applicants should pass at least one course in French in the second semester of sophomore year. Any students who do not fulfill these requirements will be tested for their proficiency in the language. It is strongly urged that work in at least two fields of the social sciences be offered.

TORONTO: Since 1945 an exchange of students in the junior class with juniors at the University of Toronto has proved to be highly successful. For the year the Smith juniors live in the colleges of the University and carry on programs approved by their major advisers. Candidates from Smith must have demonstrated their ability to do work of Dean's List rating and have the approval of the chairman of

THE CURRICULUM

their major department. Not more than eight exchanges will be arranged in any year. Regular Smith College fees, covering residence and tuition at the University of Toronto, will be paid to the Treasurer of Smith College by exchange students.

THE DEGREE WITH HONORS

PURPOSE: Honors work is designed to offer for properly qualified students certain advantages normally not possible in the regular majors. It permits more flexibility in the arrangement of individual programs, a greater measure of individual instruction, and a greater opportunity for integrating the work done. It is intended to give more freedom to those who wish it and at the same time to provide recognition for those who have demonstrated their ability to do work of high quality.

AWARD: The degree is awarded with honors in three grades, *summa cum laude*, *magna cum laude*, and *cum laude*, based on (a) an independent piece of work which may involve the preparation of a long paper or the conduct of an investigation, (b) an estimate of the work in courses and units in the major field made by the department of the major, (c) three final examinations.

If a student fails to be awarded honors she will be granted a degree without honors if her work is of sufficient merit.

ADMISSION: A student having an average of B for the three semesters preceding her application is eligible for honors. Other students will be admitted on the recommendation of the department of the major and with the approval of the Committee on Honors.

Subject to special requirements of individual departments students may enroll at the beginning of either semester of junior year or at the beginning of senior year. They may withdraw only upon recommendation of the department of the major and the approval of the Committee.

PRIVILEGES: An honors candidate will have (a) the greatest possible elasticity in the arrangement of her program (with the permission of the director she may carry less than fifteen hours), (b) preference over other undergraduates when admission to units or seminars must be limited, and over other honors candidates according to priority of candidacy, (c) exemption from all course examinations at the end of senior year.

The specific requirements in each department will be found under the department offerings.

ACADEMIC RECORD

Grades are given with the following significations: A, excellent; B, good; C, fair; D, poor; E, failure.

Students are named on the Dean's List when in the previous year they have achieved an average of B or better.

THE CURRICULUM

Students who fail to maintain diploma grade or fail to register and attend classes in accordance with the regulations are placed on the Registrar's List. They are subject to special requirements in attendance of classes. Further details concerning the Registrar's List are printed in the *Rules and Regulations*.

A shortage of hours incurred through failure in a course must be made up before graduation by an equivalent amount of work carried above the minimum.

A student whose college work is generally unsatisfactory is subject to exclusion from college.

A student who has failed in the work of five or more hours in two consecutive semesters or in any three semesters, or has failed in the work of ten or more semester hours in a year is excluded from college unless special exception is made by vote of the Administrative Board.

PHI BETA KAPPA

The Zeta of Massachusetts Chapter of the Phi Beta Kappa Society was established at Smith College during the year 1904-05, and the first undergraduates were elected to membership in April. In 1920 provision was made for the election of a small number of juniors. Rules of eligibility are established by the Chapter in accordance with the regulations of the national society.

SOCIETY OF THE SIGMA XI

Smith College was the first woman's college to be granted a charter for the establishment of a chapter of the Society. Each year the Chapter elects to membership promising graduate students and seniors who excel in two or more sciences.

RULES GOVERNING ELECTION OF COURSES

1. Each student is expected to make herself familiar with all regulations governing the curriculum.
2. Certain conditions require the presentation of permission slips or of petitions to the Administrative Board. (A petition to the Board requires the recommendation of the chairman of the department and of the instructor concerned.)
 - (a) Students who wish to enter a course for which they have not had the stated prerequisite must file a petition with the Administrative Board.
 - (b) Freshmen and sophomores who wish to enter a course of a higher grade than is normally open to their class must file a petition with the Administrative Board. Exceptions in the languages and sciences are made for those students who have the stated requirements.
 - (c) Juniors not taking honors work who wish to enter a course of Grade IV (including seminars) must have the permission of the department concerned and file a petition with the Board.

THE CURRICULUM

(d) Seminars of Grade IV, limited to ten students, are open to juniors and seniors only by permission of the instructor. Students not candidates for honors are permitted to take only one seminar in a semester.

(e) Special Studies of Grade IV are open only by permission of the department. They are limited to seniors who have had twelve semester hours above Grade I and are majoring in the department concerned.

(f) Grade V courses are open to seniors only if they have a major or its equivalent in the department and if they have at least a B average in that major. Under these conditions they may be admitted by permission. They may not carry more than three hours of Grade V work a semester except in technical art and practical music unless they have special permission from the Administrative Board.

(g) A student may not carry in any semester less than the required minimum of fifteen hours or more than two hours above the required minimum except with the permission of the Administrative Board.

A shortage of hours permitted by the Administrative Board may be made up by a corresponding excess of hours distributed over succeeding semesters.

(h) A year course may not be entered in the middle of the year except with the permission of the Administrative Board and the consent of the department concerned. When a year course is dropped, credit for the first semester is not allowed except with the recommendation of the instructor and the chairman of the department and the permission of the Administrative Board.

3. In each semester of the freshman and sophomore years the student must carry at least four three-hour courses.
4. Changes in courses may be made without fee until September 15. Thereafter changes may be made through the first week of college only at a charge of five dollars, unless the change has been initiated by an instructor or is the result of curriculum changes beyond the student's control. Exception is made for freshmen and advanced standing students who may change courses without fee through the first ten days of the first semester.
 - (a) Requests for these changes must be filed in the Office of the Class Deans on official blanks.
 - (b) If changes on the course cards are made necessary by reason of carelessness on the part of the student a fee of two dollars is charged.
 - (c) Permission to drop hours of work carried above the minimum will not be granted after November 15 for the first semester and after April 3 for the second semester.
5. A student is not allowed to attend a class either as an occasional or a regular auditor except with the permission of the instructor in charge of the course.

Smith College

COURSES OF STUDY

1953 - 1954

Key to Symbols and Abbreviations

Courses are arranged in five grades indicated by the first digit in the course number. Those of Grade I are primarily for freshmen, those of Grade II for sophomores. Courses of Grade III are for juniors and seniors, but are also open to sophomores when a statement to that effect is included in the description. Grade IV courses are for seniors, honors students, or qualified juniors. Grade V courses are for graduate students.

An "a" after the number of a course indicates that it is given in the first semester; a "b" that it is given in the second semester.

Where no letter follows the number of the course, the course runs through the year.

Unless otherwise indicated, all year courses carry credit of six hours; all semester courses, three hours.

The numerals after the letters indicating days of the week show the scheduled hours of classes. Where scheduled hours are not given for courses or for laboratory work, the times of meeting are arranged after elections are made.

[] Courses in brackets will be omitted for the year.

Dem. indicates demonstration; Lab., laboratory; Lec., lecture; Rec., recitation; Sect., section; Dis., discussion.

An "L" in parentheses at the close of the description of a course in the literature departments indicates that it may be taken to fulfill the foreign literature requirement.

Explanation of marks before instructors' names: † Absent for the year; * absent for the first semester; ** absent for the second semester; || with the juniors in France; ‡ with the juniors in Spain; § with the juniors in Geneva; | with the juniors in Italy; ¹ appointed for the first semester; ² appointed for the second semester.

INTERDEPARTMENTAL COURSES

SOCIAL SCIENCE 192. *An Integrated Study of Modern American Society.* An introductory analysis of physical and human resources, principal ideas and institutions, social structure, and current issues. Some of the methods and materials of economics, political science, and sociology are employed. Open to a limited number of freshmen and sophomores. Lec. M 11; Rec. T W 11, 12. Mrs Taber (*Director*), Mr Matthews, Mr Olmsted. (Group E)

PHYSICAL SCIENCE 193. *The World of Atoms.* An introductory study of modern atomic theory by means of relevant aspects of chemistry and physics, including developments of current interest. Emphasis is placed on the logic of science and the nature of the evidence rather than on technical applications. Three lectures and one discussion. Lec. Th F S 9; Dis. W 10, 11. Mr Sherk (*Director*), Mr Kofsky. (Division III)

PHYSICAL SCIENCE 194. *The Earth in Time and Space.* The chemical, physical, and geological nature of the earth and its relation to the solar system and the universe. Theories of the origin of the earth, solar system, and universe. Open to a limited number of freshmen and sophomores. Lecture, three hours; laboratory and demonstration, two hours. Lec. M T W 10; Lab. W 2-4, Th 9-11. Mr Schalk (*Director*), Mr Scott, Mr Soffer. (Division III)

BIOLOGICAL SCIENCE 195. *The Living World.* Life as exhibited in the form, function, inheritance, and evolution of living organisms, with special emphasis on the relationship of man to the equilibrium of nature. This course is not open to students who have taken a course of Grade I in botany or zoology. Lecture and demonstration, three hours; laboratory, two hours. Lec. M T 9; Dem. W 9; Lab. W 11-1, Th 11-1, 2-4, F 9-11, 11-1, 2-4. Mr Driver and Miss Kemp (*Co-directors*). (Division III)

GENERAL LITERATURE 291. *A Study of Selected Literary Masterpieces from Homer to Tolstoy.* For sophomores. Lec. W 2; section meetings, M T W 11, 12, W Th F 2, Th F S 10, 12. Miss Drew (*Director*), Mr Arvin, Miss Dunn (first semester), Mr Guilloton (second semester), Mr Fisher, Miss Lincoln, Mr Petersson, Mr Gibian. (Group A)

HUMANITIES 292a. *The Traditional Conflict of Reason and Myth.* An introductory study to explore the shifting boundaries between science, imagery, and superstition. For sophomores. T 2, W 2-4. Mr Wind.

INTERDEPARTMENTAL COURSES

HISTORY AND SOCIAL SCIENCE 293. *American Ideas and Institutions*. A study of American life and thought through the intensive analysis of four representative generations from the eighteenth to the twentieth century. The adaptation of American values to changing economic, political, and social conditions. Th F S 10. Mr Davies, Miss Kenyon, Mr Sheehan.

HISTORY AND SOCIAL SCIENCE 294. *Contemporary India and its Role in Asia*. This course will focus on the political, economic, and social developments in India since 1947. M T W 9. Mrs Dean.

PHYSICAL SCIENCE 391a. *Frontiers of Science*. Development of topics selected to illustrate the spirit of intellectual adventure of modern science: cosmic rays, crystals and atomic architecture, stellar universes, waves and particles. Not open to majors in physical sciences. Prerequisite, completion of the distribution requirement in science. Lectures and discussion with occasional conferences. M T W 12. Miss Mohler (*Director*), Miss Wrinch, Mr Scott.

BIOLOGICAL SCIENCE 391b. *Frontiers of Science*. Subject matter selected to demonstrate the effect of food supply upon the present and future status of man. Such topics as photosynthesis, new energy sources, ersatz food, radioactive tracers, hormones, Russian genetics, viruses, antibiotics, and bacteriological warfare will be discussed. Lectures, demonstrations, and discussions. M T W 2. Miss Sampson (*Director*), Miss Smith, Mr Wright.

HUMANITIES 491a. *Metaphor, Symbol and Myth*. The forms of imaginative association common to poetry, magic, myth, dreams, the unconscious, and the thinking of primitive men and of children. These will be studied in relation to the role of symbols, fictions and analogies in contemporary literature, art, religion, politics and the social sciences. By permission of the instructor. Th F S 10. Mr Davis.

ART

PROFESSORS:	<p>**CLARENCE KENNEDY, PH.D. OLIVER WATERMAN LARKIN, A.M., <i>Chairman</i> EDGAR WIND, PH.D. HENRY-RUSSELL HITCHCOCK, A.M., <i>Director</i> of the Museum</p>
ASSOCIATE PROFESSORS:	<p>PRISCILLA PAINE VAN DER POEL, A.M. **MERVIN JULES PHYLLIS WILLIAMS LEHMANN, PH.D. H. GEORGE COHEN</p>
ASSISTANT PROFESSOR:	ELEANOR DODGE BARTON, PH.D.
LECTURER:	RUTH WEDGWOOD KENNEDY, A.B.
VISITING ARTIST:	DANIEL JAY DICKERSON, M.F.A.
INSTRUCTORS:	<p>WILLIAM J. COE, A.M. MARTIN R. JONES, M.L.A.</p>

The courses in art which may be taken to fulfill the distribution requirements in Group B are 11, 31, 35, 13.

Students planning to major or to do honors work in art will find that courses in literature, philosophy, religion, and history taken in the first two years will prove valuable. Botany 11 and 27 are recommended to students who have a special interest in landscape architecture.

A. Historical Courses

Each of the historical courses may include one or more trips to Boston, New York, or the vicinity for the study of original works of art.

A reading knowledge of foreign languages, especially German, Italian, and French, is urgently recommended.

11 *An Historical Introduction to Art.* W Th F 3; discussion meeting, choice of T 12, 2, W 11, Th 10, 12, F 10, 11, S 10. Members of the Department. *Director*, Miss Barton.

31 *The Art of Greece and Rome.* Architecture, sculpture, painting, and the minor arts as conditioned by social, intellectual, and religious history from the pre-historic background to the late antecedents of Christian art. Open to sophomores. Th F S 9. Mrs Lehmann.

33b *Mediaeval Art.* Early Christian, Byzantine, Romanesque and Gothic architecture, sculpture, illuminated manuscripts and painting. Open to sophomores. Recommended background, 11 or History 11. Th F S 11. Mrs Lehmann.

ART

- 34a *Northern Art.* Flemish, French, and German art from the fourteenth through the sixteenth century. Open to sophomores. Prerequisite, 11. Alternates with 311a. M T W 9. Miss Barton.
- 34b *Art in Northern Europe, France, and Spain in the Seventeenth and Eighteenth Centuries.* Open to sophomores. Prerequisite, 11. M T W 9. Miss Barton.
- 35 *The Art of the Italian Renaissance.* Development of the arts in Italy from 1290 to 1594, with special emphasis on their interrelationships and on the emergence of a consistent theory of art. Lectures, problems, and field trips. Open to sophomores. Recommended background, 11 or History 11. M T W 11. Mr Kennedy and Mrs Kennedy.
- [37a *Donatello.* M 4, T 4-6. Mr Kennedy.]
- 37b *Michelangelo.* M 4, T 4-6. Mrs Kennedy.
- [311a *Italian Art of the Seventeenth and Eighteenth Centuries.* A study of the major artists of Italy in the Baroque period. Open to sophomores. Prerequisite, 11. Alternates with 34a. M T W 9. Miss Barton.]
- 313a *The Arts in America.* The colonial period through the years of the expanding republic, with emphasis on painting and sculpture as an expression of thought and taste. Recommended background, 11 or a course in American history. Th F S 12. Mr Larkin.
- 313b *The Arts in America.* The Civil War to the present. Recommended background, 11 or a course in American history. Th F S 12. Mr Larkin.
- 315 *Modern Art.* Contemporary art and its backgrounds. Recommended background, 11. M T W 10. Mrs Van der Poel.
- [321 *Decorative Styles.* Not open to students who have taken 322a with which this course alternates. M T W 12. Mrs Van der Poel.]
- 322a *Decorative Styles.* A general survey of European and American thought and taste as expressed in interior design, furniture, and textiles from the mediaeval period to the present. Open to sophomores. Not open to students who have taken 321 with which this course alternates. M T W 12. Mrs Van der Poel.
- 326 *American Architecture and its English Background from the Seventeenth through the Nineteenth Century.* Late Mediaeval, Stuart, Georgian and Victorian building. Recommended background, 11, 239 or 339. Alternates with 327. Open to sophomores by permission of the instructor. Th F S 10. Mr Hitchcock.

- [327 *Modern Architecture and Its Immediate Background*. Architecture of the last hundred years with particular emphasis on the work of H. H. Richardson, Louis Sullivan, Frank Lloyd Wright and the European architects of the so-called "International Style." Open to sophomores by permission of the instructor. Alternates with 326. Th F S 10. Mr Hitchcock.]
- [329b *The Book as a Work of Art*. The study of the type, the page design and the illustration of books from the Renaissance to the present. M T W 2. Mr Kennedy.]
- 40b Integrating Paper. *Director*, Mr Coe.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours of art above Grade I. *Two or three hours*.
- 42a *Seminar in the Criticism of Art*. Principles and practice of analyzing, interpreting and judging works of art from the Renaissance to our time. Lectures, reading, papers. Open only to senior art majors. Mr Larkin.
- 42b *Seminar in Contemporary Criticism of Art*. Prerequisite 42a. Mr Larkin.
- [43a *Seminar in Greek Sculpture*. Alternates with 44a. By permission of the instructor. Mrs Lehmann.]
- 44a *The Antique and the Italian Renaissance* (seminar). The survival and rediscovery of ancient works of art and their influence on such Italian Renaissance artists as Alberti, Mantegna, Raphael, Michelangelo, Titian, Palladio. Alternates with 43a. T 7:30-10. Mrs Kennedy and Mrs Lehmann.
- [45b *Seminar in the Iconography of the Renaissance and Reformation*. Alternates with 47b. For seniors by permission of the instructor. M 8-10. Mr Wind.]
- [46b *The Renaissance in Italy and its Reflection in Art* (seminar). Open to junior and senior majors in art and history. Miss Gabel and Mrs Kennedy.]
- 47b *Seminar in English Art of the Eighteenth Century*. Alternates with 45b. For seniors by permission of the instructor. M 8-10. Mr Wind.
- 48b *Seminar in Nineteenth and Twentieth Century Painting*. Given in alternate years. For Honors students and qualified seniors. T 2-4. Mrs Van der Poel.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced Studies. *One hour or more*.
- 55 *Art of the Italian Renaissance*. Mr Kennedy and Mrs Kennedy.

ART

57a, 57b *Modern Art*

For further information about graduate work in art, application should be made to the chairman of the Department. Adviser of graduate study: Mrs Kennedy.

B. Studio Courses

A fee is charged for materials in 13, 312, 335a and b, 336a and b, 342a and b.

- 13 *Introduction to Art*. Appreciation and understanding of the basic principles underlying the structure of the arts, through a study of the visual and aesthetic properties of color, volume, movement, space, line and texture. Lectures, demonstrations, films, discussion, and workshop experiments. M 9; eight studio hours of which four must be T W 9-11, 2-4; Th F 10-12. Director, Mr Cohen.
- 210 *Principles, Methods and Techniques of Drawing and Painting*. Class and individual studio projects in creative pictorial organization, utilizing and exploring the expressive possibilities of various drawing and painting media and techniques. Prerequisite, 13. Students must consult the instructor before enrolling. Nine studio hours of which six must be M T W 10-12. Mr Cohen.
- 239 *Introduction to Architecture and Landscape*. Instruction in drafting, perspective, lettering, and surveying together with elementary planning and design problems in both fields. Students must consult the instructor before enrolling. M T W 9-11. Mr Jones.
- 312 *Sculpture*. Basic elements of sculptural design. Open to sophomores by permission of the instructor. Prerequisite, 13. Nine studio hours of which six must be Th F 2-5.
- 331a *Advanced Drawing and Painting*. Individual creative expression, with emphasis on the techniques of pictorial organization. Prerequisite, 210, 312, 335a and b, or 336a and b. Nine studio hours of which six must be Th F 2-5. Mr Jules.
- 335a *Design Workshop*. Advanced studio projects in advertising design, textiles, three-dimensional objects, and related fields. Open to sophomores. Prerequisite, 13 or permission of the instructor. Nine studio hours of which six must be M T 2-5. Mr Dickerson.
- 335b *Design Workshop*. Continuation of 335a with specialized individual projects. Open to sophomores. Prerequisite, 13, 335a or permission of the instructor. Nine studio hours of which six must be M T 2-5. Mr Dickerson.

ART

- 336a *Graphic Arts*. Print-making as means for creative expression with emphasis on woodcut, lithography and etching techniques. Open to sophomores. Prerequisite, 13. Nine hours of which six must be M T 2-5.
- 336b *Graphic Arts*. Creative expression through the means of print-making with emphasis on mixed media and color printing. Open to sophomores. Prerequisite, 335a or 336a. Nine hours of which six must be M T 2-5.
- 339 *Further Problems in Architectural or Landscape Design and Construction*. Prerequisite, 239. M T 2-5. Mr Jones.
- 342a *The Art of Photography*. A study of the effect of light and perspective on form. Lectures, demonstrations and practice based on the use of one-minute positive cameras which, with film, will be available for student use. W 2-4, practice hours to be arranged. Mr Kennedy.
- [342b *The Art of Photography*. Mr Kennedy.]
- 40b Integrating Project. Director, Mr Cohen.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in art. *Two or three hours*.
- 510 *Architecture*
- 512 *Landscape Architecture*.
- 513a, 513b *Painting, Sculpture, Design, or Graphic Arts*. Members of the Department.

THE MAJOR

Advisers: Mrs Van der Poel, Mr Jules, Miss Barton, Mrs Kennedy.

Based on 11 or 13. If the major is based on 13, 11 must also be taken.

Essential Courses: 40b and eighteen semester hours in art of which at least nine must be from Division A.

Optional Courses: other courses in art; Philosophy 33; closely related courses in other fields.

HONORS

Director: Miss Barton.

Prerequisite: 11.

Program: an arrangement, approved by the director, of courses and seminars (or special studies) in art and related fields in preparation for general examinations.

In the senior year the candidate will present a long paper for the first semester and spend three hours in a review unit during the second term.

Examinations: one general examination; one based on specific fields; one testing the candidate's ability to analyze and interpret original works of art.

ASTRONOMY

ASSOCIATE PROFESSOR: MARJORIE WILLIAMS, PH.D., *Chairman*, Director of the Observatory

Among the courses which may be taken to fulfill the distribution requirement in Division III are Astronomy 11 and Physical Science 194.

Students planning to major or to do honors work in astronomy are expected to complete Mathematics 12 or 13 in freshman or sophomore year and are therefore strongly urged to offer three units of mathematics for entrance. They are advised to take Astronomy 11 and Mathematics 12 or 13 in freshman year and Mathematics 21 or 22a, elementary physics or chemistry, and German before junior year. See also the statement for honors.

The prerequisite for 22a and 23b is 11, 21a or b, Physical Science 194, or permission of the instructor.

- 11 *General Astronomy*. Physical characteristics and motions of members of the solar system and the sidereal universe; observations of constellations, sun, moon, and planets. Recitation, discussion, and daytime laboratory, three hours; evening laboratory and observing dependent on the skies, averaging three hours. Th F S 11. Miss Williams.
- 21a *Descriptive Astronomy*. Designed to give a general knowledge of the field. Opportunity for learning the constellations and for using the telescopes. For students who have not taken 11. M T W 10.
- 21b Repetition of 21a. M T W 11.
- 22a *Observatory Practice*. Training in the use of visual and photographic telescopes and other equipment. Observations of sunspots, lunar and planetary detail, occultations, variable stars, other telescopic objects. Collateral reading. Recitation and conference, three hours; observing and laboratory, four hours.
- 23b *Variable Stars*. Physical characteristics of the various types. Discussion of methods of observation and of obtaining periods and light curves. Miss Williams.
- 24b *Celestial Marine and Air Navigation*. Theory and practice in the determination of position on the earth, primarily from observations of celestial bodies. Prerequisite, the first semester of Mathematics 12 or trigonometry presented for entrance. Recitation and discussion, two hours; observing and laboratory, three hours. Miss Williams.

ASTRONOMY

- 31a *Spherical and Practical Astronomy*. Theory and use of transit instrument for determination of time, latitude, and instrumental corrections. Prerequisites, 11 or the equivalent and Mathematics 12 or 13. Recitation and conference, two hours; observing and laboratory, four hours. Miss Williams.
- 31b *Spherical and Practical Astronomy*. Theory and use of the equatorial telescope. Determination of positions by means of photographic plates and the filar micrometer. Least squares. Prerequisite, 31a. Recitation and conference, two hours; observing and laboratory, two hours. Miss Williams.
- 34a *Introduction to Astrophysics*. Analysis of the light of the sun and stars. For students who have had approved courses in astronomy, physics, chemistry, or Physical Science 193 or 194.
- 34b *Astrophysics and Stellar Astronomy*. Special problems of stars and galaxies, including motions and statistical methods of handling observational material. Prerequisite: see 34a.
- [35 *Determination of Orbits*. Methods of computing orbits of comets and planets. Theory and practice. Prerequisites, 11 and Mathematics 21 or 22a.]
- 40b Synoptic Course designed to correlate the work in the major field.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in astronomy. *Two or three hours*.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51a, 51b Special problems in astrophysics, practical astronomy, or celestial mechanics. *Three hours or more*.

Adviser of graduate study: Miss Williams.

THE MAJOR

Adviser: Miss Williams.

Based on 11, or an approved combination from 21a or b, 22a, Physical Science 194. Essential Courses: 31a, 31b, 34a, 40b; Mathematics 21 or 22a.

Optional Courses: other courses in astronomy except 24b; other courses in mathematics above Grade I; Economics 38a and b, courses in physics, chemistry, or geology.

ASTRONOMY

HONORS

Director: Miss Williams.

Prerequisites: 11; Physics 11 or its equivalent.

Program:

Essential Courses: 31a, 31b, 34a, 34b; Mathematics 21 or 22a.

Optional: courses or units in astronomy, mathematics, or physics; in chemistry with the approval of the director.

Half of the work of first semester of senior year will be spent on a paper in the field of astrophysics, or on a problem in the field of practical astronomy or celestial mechanics; one fourth of the second semester will be spent in review for the examinations.

Examinations: two general examinations covering the fields of general astronomy, astrophysics, practical astronomy, physics, mathematics; one in the field of concentration, which may be a partly practical examination involving techniques and manipulation of instruments.

BOTANY

ASSOCIATE PROFESSORS:	SARA BACHE-WIIG, PH.D. †MARGARET KEMP, PH.D. KENNETH E. WRIGHT, PH.D., <i>Chairman</i>
HORTICULTURIST:	WILLIAM I. P. CAMPBELL
TEACHING FELLOW:	NANCY LOU BARTON, A.B.

SMITH COLLEGE GENETICS EXPERIMENT STATION

VISITING PROFESSOR:	ALBERT FRANCIS BLAKESLEE, PH.D., SC.D., LL.D.
VISITING ASSOCIATE	
PROFESSOR:	SOPHIE SATIN, SC.D. (hon.)
RESEARCH ASSOCIATE:	AMOS GEER AVERY, M.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Botany 11 and Biological Science 195.

Students planning to major in botany are advised to have a knowledge of general zoology or chemistry and a reading knowledge of German or French. See the honors program for additional preparation required.

Unless otherwise stated the prerequisite for all courses above Grade I is 11, Biological Science 195, or permission of the instructor.

11 *General Botany.* A study of the life processes and structure of seed plants with emphasis upon their relationship to the needs of man. A survey of rep-

representative types of other green and nongreen plants; reproduction, heredity, evolution. Two lectures and two two-hour laboratory periods. Lec. Th F 12. Lab. M T 9, 11, 2; Th F 9, 2. Miss Bache-Wiig, Mr Wright (*Director*).

22a *Economic Botany*. Plants useful to man as a source of food, spices, beverages, drugs, shelter, fuel, textiles, and the raw materials of many industries. Two lectures and one two-hour laboratory period. Lec. Th F 2; Lab. Th 3. Miss Kemp.

22b *Field and Forest Botany*. A study of ferns and flowering plants of the Northampton region. Principles of classification. Field trips in the spring. One lecture and five hours of laboratory or field work. Th F 2-5. Miss Bache-Wiig.

27 *Horticulture*. Theory and practice of plant cultivation and improvement, with a study of the species commonly cultivated and the preparation of gardens. Two lectures and two two-hour laboratory periods. Lec. Th F 10; Lab. Th F 11. Mr Campbell.

[31a *Comparative Morphology of Lower Vascular Plants*. The vegetative and reproductive structures and evolutionary development of living and extinct ferns and fern allies, preceded by a brief study of liverworts and mosses. Offered in alternate years. One lecture and five hours of laboratory. M T 2-5. Miss Kemp.]

[31b *Comparative Morphology of Higher Vascular Plants*. The vegetative and reproductive structures and evolutionary development of the Gymnosperms and Angiosperms. Offered in alternate years. One lecture and five hours of laboratory. M T 2-5. Miss Kemp.]

32a *Microtechnique*. Methods used in the preparation of various plant materials for microscopic study. Offered in alternate years. Six hours of laboratory. M T 2-5. Miss Bache-Wiig.

[33a *Plant Breeding*. The principles and problems of inheritance in plants and the methods by which man obtains new varieties. Offered in alternate years. M T W 10. Mr Wright.]

[33b *Plant Geography*. Climate and climatic plant formations of the world. Problems of distribution in relation to migration and barriers. Offered in alternate years. Two lectures and one recitation. M T W 10. Miss Bache-Wiig.]

[34a *Mycology*. The structure, life history, and habitat of representative species of the fungi, with emphasis on theories of origin and relationship. Prerequisite, 11 or Bacteriology 22. This course and Bacteriology 22 may serve as prerequisites for Bacteriology 42b. Offered in alternate years. One lecture and five hours of laboratory. Th F 9-12. Miss Bache-Wiig.]

BOTANY

- 35 *Plant Physiology*. A study of plant processes and functions. Offered in alternate years. Two lectures and two two-hour laboratory periods. M T W 11-1. Mr Wright.
- 40b Directed Reading and Review. Members of the Department.
- 41, 41a, 41b Special Studies: work in morphology, anatomy, physiology, ecology, mycology, pathology. By permission of the Department for senior majors who have had twelve semester hours in botany above Grade I. *Two or three hours*.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies in the fields of morphology, anatomy, physiology, mycology, arranged in consultation with the adviser of graduate work. *One hour or more*. Miss Bache-Wiig, Miss Kemp, Mr Wright.
- 52a, 52b Selected problems in a specific field of botany assigned for investigation, experimental work, and discussion. *One hour or more*.
- S53 Apprenticeship Summer Course in Plant Genetics. Students are offered the opportunity of learning research methods, techniques, and aims through assisting in the current research of the Genetics Experiment Station. For graduate students it is recommended that this course be elected in the summer preceding the first academic year of a program in this field. *Three hours*. Mr Blakeslee, Miss Satin, Mr Avery.
- 54a, 54b Seminar on problems and methods in modern plant genetics. *One hour*. Mr Blakeslee, Miss Satin, Mr Avery.
- 55, 55a, 55b Laboratory Practice in Cytogenetics. Preferably taken with 54a or b. *Two hours*. Mr Blakeslee, Miss Satin.
- 56a, 56b Seminar on recent advances and current problems in botany. Selected topics for reading and individual reports. *One hour*. Members of the Department.
- Adviser of graduate study: Mr Wright.

THE MAJOR

Adviser: Miss Kemp.

Based on 11 or Biological Science 195.

Essential Courses: 40b and eighteen hours in botany of which at least twelve must be above Grade II.

Optional Courses: other courses in botany above Grade I; courses in bacteriology, chemistry, geology, physics, and zoology.

HONORS

Director: Miss Bache-Wiig.

Prerequisites: 11; chemistry (one year in preparatory school or college).

Program:

Requirements: 22b (taken before junior year if possible); 31a, 31b, 35; six hours of Grade IV or V in botany, involving a problem and a paper; three hours of directed reading and review.

Optional: courses approved by the director.

Examinations: a general examination covering major fields of botany; one in identification and interpretation of materials and in application of techniques; one in the special field of the candidate.

CHEMISTRY

PROFESSORS:

C. PAULINE BURT, PH.D., SC.D. (hon.)

KENNETH WAYNE SHERK, PH.D., *Chairman*

ASSOCIATE PROFESSORS:

MILTON DAVID SOFFER, PH.D.

GEORGE STONE DURHAM, PH.D.

RESEARCH ASSOCIATE:

CHI-JUNG LU, PH.D.

RESEARCH FELLOW:

MARGARET AGNES JEVIK, B.A.

TEACHING FELLOWS:

HARRIET HAMANN, A.B.

PRISCILLA ANN MAREK, B.SC.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Chemistry 11 and Physical Science 193, 194.

Students who are planning to major in chemistry should elect 11 in freshman year. They are advised to complete Mathematics 12 or 13 the first year. For additional preparation for honors work see that program.

11 *General Chemistry*. An introduction to the chemistry of the more common elements and their compounds based upon modern theories of atomic and molecular structure. Two lectures, one recitation, and one three-hour laboratory period. Lec. M T 12; Rec. W 12, 2; Lab. M T F 2. Mr Sherk, Mr Soffer, Mr Durham.

21 *Qualitative and Quantitative Analysis*. Cation and anion analysis using semi-microtechnique. Standard volumetric and gravimetric methods of analysis. Prerequisite, 11. Two lectures and two two-hour laboratory periods. Lec. Th F 12; Lab. Th F 2.

CHEMISTRY

- 31 *Organic Chemistry*. A systematic study of aliphatic and aromatic reactions. The fundamental course for all majors in sciences requiring organic chemistry. Prerequisite, 11; open to sophomores by permission of the instructor. Two lectures, one recitation, and one three-hour laboratory period. Lec. and Rec. M T W 12; Lab. M T 2. Miss Burt.
- 34a *Advanced Inorganic Chemistry*. Selected topics with emphasis on structural considerations. Laboratory practice in procedures of inorganic synthesis. Prerequisite, 21. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Mr Sherk.
- 38b *Advanced Quantitative Analysis*. A theoretical and practical study of the applications of various optical and electrical instruments to problems of analysis and structure. Prerequisite, 21. One lecture and six hours of laboratory. Mr Durham.
- 40b Integrating Paper. Members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in chemistry. *Two or three hours*.
- 42a *Biochemistry*. Advanced organic chemistry of biological products. Prerequisite, 31. Two lectures and one three-hour laboratory period. Lec. M T 11; Lab. Th 2. Miss Burt, Mr Soffer.
- 42b *Medicinal Chemistry*. Advanced organic chemistry of natural and synthetic compounds used in medicine. Prerequisite, 31. Two lectures and one three-hour laboratory period. Lec. M T 11; Lab. Th 2. Miss Burt, Mr Soffer.
- 43 *Physical Chemistry*. Theoretical chemistry, including the properties of matter in various states, thermodynamics, equilibrium, kinetics and electrochemistry. For students who have passed 21 and have passed or are taking 31, Physics 11, and Mathematics 12. Two lectures, discussion, and one three-hour laboratory period. Lec. and Dis. M T W 10; Lab. T 2. Mr Durham.
- 45a *Organic Qualitative Analysis*. The separation, characterization, and identification of organic substances; theory and practice. Prerequisite, 31. One lecture and two three-hour laboratory periods. Lec. hour to be arranged; Lab. Th F 2. Mr Soffer.
- 46b *Modern Structural Theories*. Study of modern theories of atomic and molecular structure and their relation to physical and chemical properties. Prerequisites, 31, 34a, or permission of the instructor. Mr Sherk.

CHEMISTRY

GRADUATE COURSES

These courses are designed mainly for graduate students, but, with the proper prerequisites, are open to seniors by permission. It is suggested that a senior majoring in chemistry take at least one of these courses.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Special Studies. (1) Advanced Organic Preparations; (2) Chemical Spectroscopy; (3) Contemporary Literature; (4) Heterocyclic Natural Products; (5) Theory of Solutions; (6) Electrochemistry. *One hour or more.*

55a *Chemical Thermodynamics*. Prerequisites, 31 and 43 or their equivalents.

55b *Chemical Kinetics*. Prerequisites, 31 and 43 or their equivalents.

58a *Advanced Organic Chemistry*. A systematic study of reactions. Miss Burt.

59b *Carbocyclic Natural Products*. The chemistry of terpenic and steroid substances, with particular emphasis upon methods of structural investigation and synthesis. Lectures and discussion. Mr Soffer.

Adviser of graduate study: Mr Soffer.

THE MAJOR

Adviser: Mr Sherk.

Based on 21.

Essential Courses: 31, 34a, 40b, 43, and three additional semester hours in chemistry. Six hours in physics. In the senior year at least twelve semester hours must be taken in the Department.

Recommended Courses: Mathematics 21 or 22a.

Optional Courses: courses in chemistry above Grade II, Geology 24a, Bacteriology 22, 34; Zoology 32; courses in mathematics and physics with the approval of the adviser.

The program recommended above meets the requirements of the American Chemical Society for eligibility for professional standing.

HONORS

Director: Mr Sherk.

Prerequisite: 21.

Program:

Essential Courses: 31, 34a, 43, and six additional semester hours in chemistry.

Six semester hours in physics and Mathematics 12 or 13 are required unless taken previously. Three semester hours throughout the senior year will be spent on an individual problem, paper and review.

Examinations: one in inorganic chemistry; one in organic chemistry and related subjects; one in analytical and physical chemistry.

CLASSICAL LANGUAGES AND LITERATURES

ASSISTANT PROFESSOR: THOMAS GUSTAV ROSENMEYER, PH.D., *Chairman*

INSTRUCTORS: DAVID DOUGLAS COFFIN, M.A.

HELEN H. BACON, A.B.

The courses in the Department which may be taken to fulfill the distribution requirement in Group A are Greek 12a and b, 22a and b, Latin 14a and b, Classics 28, and 18a in combination with 18b or 29b. However, if a student is considering a major in the Department, Classics 18a and b, 28, and 29b are not advised.

Students planning to major in classics who have not offered ancient history for entrance are advised to take History 12.

GREEK

The prerequisite for courses of Grade III is 22b or permission of the instructor.

11 *Elementary Course*. Introduction to the language; selections from Attic authors. M T W 9. Miss Bacon.

12a *Plato: Apology and Crito*. Prerequisite, two units in Greek or 11. Mr Rosenmeyer. (L)

12b *Selections from Homer*. Prerequisite, 12a. Mr Rosenmeyer. (L)

16 *Prose Composition*. Prerequisite, two units in Greek or 11. *One hour each semester*. Mr Rosenmeyer.

22a *The Drama*. Euripides: *Medea*; Sophocles: *Ajax*. Prerequisite, 12b or three units in Greek. M T W 12. Mr Coffin. (L)

22b *The Drama* (continued). Aeschylus: *Prometheus Bound*; Aristophanes: *Frogs*. Prerequisite, 22a or its equivalent. Mr Coffin. (L)

31a *Greek Historians*. Miss Bacon.

[32b *Aristophanes: Clouds; Aeschylus: Agamemnon*.]

[33a *Plato: Republic*.]

34b *Selections from Lyric and Pastoral Poets*. Mr Rosenmeyer.

41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in the Department. *Two or three hours*.

Religion 25b *Greek New Testament*.

50, 50a, 50b *Research and Thesis*. *Three or six hours*.

CLASSICAL LANGUAGES & LITERATURES

51a, 51b Advanced studies in Greek literature arranged on consultation. *One hour or more.*

Adviser of graduate study: Mr Rosenmeyer.

LATIN

The prerequisite for courses of Grade III is 14b.

12a *Vergil: Selections from Aeneid I-VI.* Prerequisite, two units in Latin or three units including Cicero. M T W 11. Miss Bacon. (L)

12b *Selections from Ovid.* Prerequisite, 12a or permission of the Department. M T W 11. Mr Coffin. (L)

14a *Latin Lyric.* Catullus; Vergil: *Eclogues.* Prerequisite, four units in Latin or three units including Vergil. Th F S 9. Mr Coffin. (L)

14b *Latin Lyric.* Horace: *Odes* and *Epodes.* Prerequisite, four units in Latin or three units including Vergil or, by permission of the instructor, 12a. Th F S 9. Miss Bacon. (L)

[26 *Prose Composition.* Prerequisite, 14b or permission of the instructor. *One hour each semester.* Mr Coffin]

[31a *Latin Historians.* Open to sophomores. To be given, 1955-56.]

[32b *Latin Comedy.* Open to sophomores. To be given, 1955-56.]

33a *Roman Satire.* Open to sophomores. Mr Rosenmeyer.

34b *Silver Latin.* Open to sophomores. Mr Coffin.

[35a *Lucretius.* Open to sophomores. To be given, 1954-55.]

[36b *Roman Elegiac Poetry.* Open to sophomores. To be given, 1954-55.]

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in the Department. *Two or three hours.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Advanced studies in Latin literature arranged on consultation. *One hour or more.*

Adviser of graduate study: Mr Rosenmeyer.

CLASSICAL LANGUAGES & LITERATURES

CLASSICS

18a *Masterpieces of Greek Literature in Translation.* M T W 11. Mr Rosenmeyer.

18b *Masterpieces of Latin Literature in Translation.* M T W 11. Miss Bacon.

28 *Classical Backgrounds of English Literature.* Not open to students who have taken 18a or 18b. M T W 9. Mr Coffin.

29b *Greek and Roman Drama in Translation.* Emphasis on the play as a vehicle for philosophic and political thought and social change; ancient aesthetic theory. M T W 11. Mr Rosenmeyer.

40b Review Unit. Required of all majors in the Department.

THE MAJOR IN CLASSICS

Advisers: Mr Rosenmeyer, Mr Coffin.

Based on Greek 11 and Latin 14a and b (or, by permission of the adviser, Latin 12b).

Essential Courses: Greek 16, Latin 26, Classics 40b, eighteen semester hours chosen from Greek 22a and b, 31a, 32b, 33a, 34b, Latin 31a, 32b, 33a, 34b, 35a, 36b.

Optional Courses: other courses in Greek; courses in Latin above Grade I; allied courses in other departments.

A major in Greek or in Latin may be arranged on consultation with the chairman.

HONORS

Director: Mr Coffin.

Prerequisites: Greek 11; Latin 14a and b (or, by permission of the director, Latin 12b).

Program: Greek 16, Latin 26; six hours for the preparation of a long paper; the subject matter of Greek 22a and b and four of the following courses (of which at least two must be Latin)—Greek 31a, 32b, 33a, 34b, Latin 31a, 32b, 33a, 34b, 35a, 36b. The program must include at least three units.

Examinations: one will test the candidate's ability to read Greek and Latin; one her general knowledge of Greek and Latin literature with the historical and archaeological background; and one her mastery of a field of concentration.

UNITS

The Department will offer units in the fields of classical literature, art, and antiquities for honors students in classics or in other departments.

ECONOMICS

PROFESSOR:	DOROTHY CAROLIN BACON, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSORS:	STANLEY CURTIS ROSS, A.B., LL.D. EDWARD F. WILLETT, PH.D.
ASSISTANT PROFESSOR:	MARTHA VAN HOESEN TABER, A.M.

Among the courses which may be taken to fulfill the distribution requirement in Group E are Economics 21, 32, Social Science 192.

21 or 22a is the prerequisite for 31b, 33, 35, 312a, 315, 319.

- 21 *Outlines of Economics.* Survey of economic principles and techniques as applied in modern industry, agriculture, transportation, trade, and finance. Open to freshmen by permission. Lec. W 10. Sect. M T 10, 12, 2; Th F 9, 11, 12. Miss Bacon (*Director*) and Members of the Department.
- [22a. *Introduction to Economic Analysis.* Demand and supply, price determination, and distribution theory. Open only to students who have passed Social Science 192. Th F S 11.]
- 23b *Accounting.* The theory of debits and credits. The organization and use of accounting records, the construction and interpretation of balance sheets and of statements of revenue and expense, and selected special topics. Two lectures and one two-hour laboratory period. M T 9, M 3-5. Mr Willett.
- [31b *Public Finance.* Taxation, government spending, and borrowing; economic effects and current controversies. Alternates with 43b. M T W 11. Mr Willett.]
- 32 *Economics of Labor and the Labor Movement.* Labor history, trade-unionism, collective bargaining, personnel management, labor legislation. Open to sophomores who have passed 21. M T W 9. Mrs Taber.
- 33 *Economic Analysis.* Selected topics in the history of economic thought and modern economic theory. M T W 12.
- 35 *Money and Banking.* Monetary theory, American and foreign banking, foreign exchange, problems of prosperity and depression. Th F S 9. Miss Bacon.
- 38a *Basic Statistics.* Tabulation, graphic presentation, averages, measures of dispersion, simple correlation, and the theory of sampling. Lec. Th F 2; four laboratory hours chosen from Th F 3-6. Mr Ross.

ECONOMICS

- 38b *Economic Statistics*. Multiple correlation, index numbers, time series and selected applied topics. Prerequisite 38a. Lec. Th F 2; four laboratory hours chosen from Th F 3-6. Mr Ross.
- 311b *Government and Business*. The development of public control of business in the United States; problems of present-day regulation. Prerequisite, 21, 22a, or permission of the instructor. M T W 2.
- 312a *Corporations*. Their organization, management, accounting and finance. M T W 9. ²Mr Willett.
- 314a *Personal Finance*. Topics studied include inflation, taxation, insurance, annuities, installment buying, home ownership, investment, and social security. Lec. M T 2; Rec. W 10, 2, 3. Mr Willett.
- 315 *International Economics*. Modern problems in international economic relations, the theory of international trade and investment, international economic institutions.
- 319 *Comparative Economics*. Contemporary economic systems and problems of selected foreign countries. Open to sophomores who have passed 21. M T W 11.
- 40b *Major Economic Issues*. Required of all senior majors. W 7:30-9:30. Members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in economics above Grade I. *Two or three hours*.
- 42a *Problems in Applied Economics* (seminar). By permission of the instructor.
- 43b *Seminar in Investment Policies*. By permission of the instructor for students who have passed 35 or 312a or are taking 35. Alternates with 31b. Mr Willett.
- HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject for 1954: Africa. By permission of the director.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies in such subjects as classical economic theory and its modern transformation; international economic organization; corporations:

ECONOMICS

organization and finance; social security and protective legislation. *Two hours or more.*

Adviser of graduate study: Mr Willett.

THE MAJOR

Advisers: members of the Department.

Based on 21 or 22a.

Essential Courses: 40b and eighteen semester hours in economics above Grade II except 314a.

Optional Courses: to be arranged.

Majors may spend the junior year abroad if they meet the college requirements as stated under the description of the Junior Years Abroad.

HONORS

Director: Miss Bacon.

Prerequisite: Economics 21.

Program:

Economic Analysis is an essential course for honors, and counts as six of the required eighteen hours of Grade III work. In addition to the eighteen hours, there is required in the first semester of the senior year a long paper to count as three or six hours, and in the second semester three hours of review.

Examinations: general theory and its applications; questions on individual fields in economics; questions coordinating the field of the major.

UNITS

Studies in International Economic Organization. Second semester. *Six hours.*

Topics in Money and Banking. First semester. *Six hours.* Miss Bacon.

Corporation Finance and Investments. Second semester, alternate years. *Six hours.* Mr Willett.

EDUCATION & CHILD STUDY

PROFESSORS:	SETH WAKEMAN, PH.D. CLIFFORD RICHARDSON BRAGDON, A.M., ED.M., <i>Chairman</i>
ASSOCIATE PROFESSORS:	HELEN EVANGELINE REES, ED.D., Director of the Smith College Day School EVELYN BEYER, M.A., Director of the Elisabeth Morrow Morgan Nursery School
ASSISTANT PROFESSORS:	JEAN CARL COHEN, PH.D. MIRIAM FORSTER FIEDLER, PH.D.
LECTURERS:	RONALD JEREMIAH DARBY, ED.M. MINNIE MARION STINSON, ED.M. RITA ALBERS JULES GEORGE T. PRATT, M.ED.
DIRECTOR OF EDUCATIONAL CLINIC:	MARY CHENEY STEPHENSON, ED.M.
INSTRUCTORS:	N. DEMING HOYT, A.B. MARY TEELE CAMPBELL, A.M.
ASSISTANT DIRECTOR OF EDUCATIONAL CLINIC:	ROBERT FARRAR KINDER, A.M.
ASSISTANT IN EDUCATIONAL CLINIC:	MARGARET COLE, A.B.

The following courses are recommended to students planning to major in education and child study: Biological Science 195, Psychology 11a, 11b, 12, 25b, Social Science 192, Sociology 26, 27b, Zoology 12.

An opportunity for educational guidance including improvement in reading and study skills is offered to freshmen and a limited number of other students. One period each week, hours to be arranged. Mrs Stephenson and Mr Kinder.

Students who desire to comply with the varying requirements of different states for certificates to teach in elementary and secondary schools are urged to consult the chairman as early as possible during their college course. A five-year program leading to the degree of Master of Education fulfills the requirements now set by certain states.

21a *Introduction to Education.* Historical and philosophical background of modern educational problems. M T W 2. Mr Wakeman and Mr Bragdon.

22a *Educational Psychology.* A study of biological, psychological, and social factors in mental development, with special reference to problems in learning. M T W 12. Mr Wakeman.

22b A repetition of 22a. M T W 2.

EDUCATION & CHILD STUDY

- 24a^T *Child Psychology*. Study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Prerequisite, Psychology 11a or 12. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.
- 24b *Psychology of Adolescence*. Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Prerequisite, Psychology 11a or 12, Education 22a or b, or permission of the instructor. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.
- 26b *Foundations of Secondary Education*. Characteristics of the secondary school pupil; present status, purpose, and organization of secondary schools; curriculum. Recommended background, 21a and 24b. M T W 2. Mr Bragdon.
- 31a *The Child in Modern Society*. Place of the young child in society; social and educational agencies concerned with child welfare; mental hygiene of early childhood. Directed observations. Alternates with Sociology 39a. Th F 3 and one observation period. Miss Beyer.
- 34b *Child Study*. Growth, development, and guidance of the young child. Systematic observation and study of preschool children. Recommended background, 24a or 22a or b. Th F 2 with morning observation periods to be arranged. Miss Beyer.
- 35a *Elementary School Child*. Growth and development of the child in the elementary school; study of curriculum and modern practices. Recommended background, 21a and 22a or b or 24a. Two class hours and observation. M W 9. Miss Rees.
- 36b *American Education*. Evolution of American educational thought and institutions; development of American education related to the growth of the nation. For sophomores who have passed 21a. M T W 9. Mr Hoyt.
- 37a *Comparative Education*. Influence of national attitudes in education. The educational situation in England, France, Germany, and Soviet Russia, with special attention to the problems of the postwar period. M T W 3. Mr Hoyt.
- 38b *Education and Contemporary Social Philosophy*. An examination of the impact of recent socio-economic changes on higher and secondary education in the United States. M T W 3. Mr Hoyt.
- 39a *Educational Measurements*. Study of measures designed to improve instruction and assist pupil adjustment in school. Practice in construction, administration, and interpretation of tests. T 4-6 and a laboratory period to be arranged. Mr Hoyt.

EDUCATION & CHILD STUDY

- 310b *Music Education*. Methods and materials of music education in the pre-school and elementary grades. For majors or by permission of the instructor. M 3-5, T 3. Mrs Scatchard.
- 311a *Art Education Workshop Course*. Theory and practice of art education in the elementary school. By permission of the instructor. Mrs Jules.
- 40b Senior Unit, designed to correlate and unify the student's work in her major field. Mr Bragdon and members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in education above Grade I. *Two or three hours*.
- 42b *Advanced Educational Psychology*. Selected problems, reports, and discussion. By permission of the instructor. Recommended background, 22a or b and one course in psychology above Grade I. Mr Wakeman.
- 43 *Preschool Education*. Theory and practice in the modern nursery school and kindergarten. Two class hours and two periods of participation. Required trip. Prerequisites, 34b and permission of the instructor. Th 4. Miss Beyer.
- 44b *Seminar in Child Psychology*. Selected problems, reports, and discussion. Prerequisites, 24a and permission of the instructor. Mrs Cohen.
- 45 *Elementary Education*. Theory and practice in the modern elementary school, kindergarten through grade eight. Two class hours and two periods of participation in elementary schools. Prerequisites, 35a and permission of the instructor. Th 4. Miss Rees and Miss Campbell.
- 46 *Secondary Education*. Methods and practices in secondary schools; an intensive study of the teaching of one of the subjects in the curriculum. Observation and directed practice. Required trip. Prerequisites, 26b and permission of the instructor. Th 4 and one period of observation and practice. Mr Bragdon, Mr Darby.
- 410b *Experimental Child Psychology*. Prerequisite, Education 22a or b or 34b, or Psychology 24a and permission of the instructor. One period for discussion and reports, two laboratory periods. Mrs Fiedler.

French 37a *Teachers' Course*.

Music 320 *Elementary School Music*.

Music 46 *Advanced School Music*.

Spanish 32a *Teachers' Course*.

Speech 48a, 48b *Teachers' Course*.

EDUCATION & CHILD STUDY

- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51, 51a, 51b Advanced Studies: special problems in education. *One hour or more.*
- 52, 52a, 52b *Problems of American Education.* Required of all candidates for the Master's degree in education. Mr Wakeman and members of the Department.
- 53b *Preschool and Parent Education.* Miss Beyer.
- 54b *Elementary Education.* Miss Rees.
- 55a *Problems in Secondary Education.* Mr Bragdon.
- 56b *Higher Education.* History and present status in the United States. *One or more hours.* Mr Wakeman.
- 57 *Problems in the Education of the Deaf.* Historical development of education of the deaf, the physiological and psychological problems of deaf children, and problems of curriculum, with emphasis on language. By permission of the instructor. Mr Pratt.
- 59, 59a, 59b *Practice Teaching.* Given under the supervision of members of the Department. For qualified graduate students by permission of the Department. *One hour or more.*
- 510a *Child Development.* Miss Rees and Miss Beyer.
- Adviser of graduate study: Mr Wakeman.

THE MAJOR

Students majoring in the Department may concentrate (1) in child development as preparation for teaching in nursery and elementary schools, (2) in the history, philosophy, or psychology of education, or (3) may prepare for graduate work leading to a professional degree.

Advisers: members of the Department.

Based on 21a or 22a or b and one course in education and child study, psychology, sociology, or Social Science 192.

Essential Courses: 40b and eighteen semester hours in education.

Optional Courses: other courses appropriately related.

HONORS

Director: Mr Bragdon.

Prerequisites: courses listed as bases for the majors.

Program and Examinations: detailed plans of study may be had on consultation with the director.

ENGLISH LANGUAGE & LITERATURE

PROFESSORS:	HOWARD ROLLIN PATCH, PH.D., LITT.D. †PAUL ROBERT LIEDER, PH.D. **ESTHER CLOUDMAN DUNN, PH.D. †MARY ELLEN CHASE, PH.D., LITT.D., L.H.D. NEWTON ARVIN, A.B. CHARLES JARVIS HILL, PH.D., <i>Chairman</i> SAMUEL ATKINS ELIOT, JR., A.B. **HELEN WHITCOMB RANDALL, PH.D. ROBERT GORHAM DAVIS, A.M. DANIEL AARON, PH.D.
VISITING PROFESSOR:	ELIZABETH DREW, B.A. (Oxon.)
ASSOCIATE PROFESSORS:	KATHERINE GEE HORNBEAK, PH.D. ALFRED YOUNG FISHER, DOCTEUR DE L'UNIVERSITÉ DE DIJON †EDNA REES WILLIAMS, PH.D. ELEANOR TERRY LINCOLN, PH.D.
ASSISTANT PROFESSORS:	ROBERT TORSTEN PETERSSON, PH.D. EVELYN PAGE, PH.D. GEORGE GIBIAN, PH.D.
INSTRUCTORS:	ROBERT OTTO PREYER, A.M. MARLIES KALLMANN, A.M. ROBERT PAYSON CREED, A.M. JAMES HAROLD DURBIN, JR., M.A. MARTHA WINBURN ENGLAND, PH.D. ELIZABETH LEE GALLAHER, A.M. WENDELL STACY JOHNSON, PH.D.

The courses in English which may be taken to fulfill the distribution requirement in Group A are 21, 23, 211, 212.

Students who are planning to major in English and have entered with less than three units of Latin or Greek or a combination of the two, will be required to take Latin 12a, Greek 11, 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b. They are urged to take at least one course each in history and philosophy.

11 *Freshman English*. Practice in expository and critical writing in connection with the study of selected literary forms. Members of the Department. *Director*, Mr Fisher.

A. Language and Literature

21 *The Patterns of English Literature*. An analysis through lectures, reading and discussion of representative authors and works, chosen for the purpose of illustrating the temper and the controlling ideas of successive periods and the development of literary forms. Th F S 10. Mr Hill and Mr Petersson.

ENGLISH LANGUAGE & LITERATURE

- 23 *Forms of the Drama*. Survey of the principal forms, European and Asiatic, with special attention to the different kinds of theatre and to the greatest plays and playwrights from Aeschylus to Hebbel. M T W 3. Mr Eliot.
- 25 *Literature of the Middle Ages*. Characteristic ideas in English and Continental literature. Reading based on translations. M T W 9. Mr Patch.
- [28b *Seventeenth Century Prose*. Essays, allegories, plays, character sketches, from Bacon to Congreve. Th F S 9. Miss Lincoln.]
- 211 *Literature of the Nineteenth and Twentieth Centuries*. Open to sophomores only. M T W 9. Miss Randall and Mr Johnson, first semester; Miss Drew, second semester.
- 212 *American Literature to 1900*. Th F S 9. Mr Aaron.
- 31 *Chaucer*. M T W 10. Mr Patch.
- [32 *The History of the English Language*. Th F S 9. Miss Williams.]
- 33 *Old English*. Language and literature of the Old English period, with emphasis on the study of *Beowulf*. Mr Creed.
- [34 *Sixteenth Century Literature*. Prose and poetry from Wyatt through Spenser, Raleigh, and the early Donne. Th F S 11. Miss Dunn.]
- 35a *English Drama from 1560 to 1642*. Shakespeare's predecessors and contemporaries. Open to sophomores by permission of the instructor. M T W 11. Mr Fisher.
- [36 *Shakespeare*. A study of Shakespeare's dramatic development against the background of Elizabethan ideas, social, critical, and theatrical. Not open to students who have taken 37 with which this course alternates. Th F S 12. Miss Dunn.]
- 37 *Shakespeare*. The dramatic and poetic art of Shakespeare. For students majoring in English. Not open to students who have taken 36 with which this course alternates. M T W 12. Mr Hill.
- 38a *Seventeenth Century Poetry from Donne to Dryden*. Th F S 9. Miss Lincoln.
- 39b *Milton*. W Th F 3. Miss Lincoln.
- 310a *Augustan Satire*. Theories and techniques of satire studied in the work of Addison, Steele, Pope, Swift, and Gay. M T W 12. Miss Hornbeak.
- 310b *The Age of Johnson*. Biography, essay, criticism, poetry. M T W 12. Miss Hornbeak.

ENGLISH LANGUAGE & LITERATURE

[311 *Drama from 1660 to the Present.* Th F S 10.]

312 *Modern European Drama.* Th 4-6, F 4-5. Mr Eliot.

313b *Drama in Asia.* India, the Indo-Chinese and Malay countries, Tibet, China, and Japan. Mr Eliot.

314 *The Development of the English Novel.* Daniel Defoe to D. H. Lawrence. M T W 11. Mr Hill.

[319b *Romanticism.* Blake, Wordsworth, Coleridge, Shelley, and Keats. Th F S 11. Miss Randall.]

321a *Transcendentalism in American Literature.* Emerson, Thoreau, and Whitman. M T W 9. Mr Arvin.

321b *American Fiction from 1830 to 1900.* Hawthorne, Poe, Melville, and James. M T W 9. Mr Arvin.

40b *Review Unit.*

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in English above Grade I. *Two or three hours.*

43a *Some Romantic Poets: Byron, Wordsworth, Coleridge, and Others.* Their poetical and literary theories and innovations; the background both of England and of the Continent, including political and social influences. Th F S 12. Miss Dunn.

44a *Twentieth Century British Literature.* Joyce, Yeats, Eliot. M T W 10. Miss Drew.

415a *Literary Criticism.* For seniors majoring in English. Mr Arvin.

417b *The Twentieth Century American Novel.* Th F S 10. Mr Davis.

B. Composition

Only one course in English composition may be taken in any one semester except by permission of the chairman. Second semester courses are open both to students who have and those who have not taken the corresponding course in the first semester.

[112a, 112b *Composition for Foreign Students.*]

220a, 220b *Practice in Various Forms of Writing.* M T W 11, 2. Miss Page, Mr Johnson.

ENGLISH LANGUAGE & LITERATURE

- 345a *Playwriting*. Practice in writing the one-act play. *Two or three hours*. T 4-6. Mr Eliot.
- 345b *Playwriting*. 345a is not a prerequisite, but students who have passed it will write a full-length play. Mr Eliot.
- 347a *Studies in Style and Form*: the expression of different kinds of experience. By permission of the instructor. W Th F 2. Mr Davis.
- 347b Techniques of fiction and criticism with some consideration of poetry and expository form. By permission of the instructor. W Th F 2. Mr Davis.
- [348a *Poetics and Practice in Verse Writing*. By permission of the instructor. Mr Fisher.]
- 428 *Advanced Composition*. Practice in the writing of fiction. For seniors by permission of the instructor. Mr Fisher.
- 429a, 429b *Advanced Playwriting*. Prerequisite, 345a or b or the equivalent. *One hour or more*. Mr Eliot.

C. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged in consultation with the Department. *One hour or more*.
- 53a *Seminar in Middle English Poetry*. Emphasis will be placed on the works of Chaucer, medieval romances, or medieval drama, according to the special needs of the students. Attention will be given not so much to the reading of texts as to problems of research. Mr Patch.
- 55a *Shakespeare*. Critical problems, textual and literary. Lectures and reports. Miss Dunn.
- 57a *Studies in Seventeenth Century Literature*. Miss Lincoln.
- 58a *Studies in Eighteenth Century Fiction*. Miss Hornbeak.
- [59a, 59b *Studies in Nineteenth Century Poetry*.]
- 510b *Studies in Nineteenth Century Fiction*. George Eliot and George Meredith. Mr Hill.

ENGLISH LANGUAGE & LITERATURE

512a, [512b] *Studies in American Literature*. Mr Aaron.

Adviser of graduate study: Miss Hornbeak.

THE MAJOR

Advisers: Mr Patch, Miss Dunn, Mr Arvin, Mr Hill, Miss Randall, Mr Davis, Miss Drew, Miss Hornbeak, Mr Fisher, Miss Williams, Miss Lincoln, Mr Gibian.

Based on six semester hours from Division A or General Literature 291.

Essential Courses: 40b and eighteen semester hours from Division A, including at least one of the following: 31, 32, 33, or a course in Greek language and literature.

Optional Courses: nine semester hours in English or foreign literatures or in closely allied fields.

In consultation with her adviser every student should arrange the program of her three upper years so as to allow for a reasonable distribution in different periods.

HONORS

Director: Miss Page.

Prerequisites: see the requirements for entrance to the major.

Program: students must fulfill the general requirements of the major. The units offered by the Department cover the fields of literary history, major figures, the primary types, and literary theory and criticism. Candidates must take at least one unit each year in the junior and senior years.

In the first semester of senior year honors students will present a long paper to count for six hours, outside the eighteen semester hours in the major.

Each student must correlate a small and carefully circumscribed area of her work in English with at least three hours in units or courses in a closely related field, *e.g.* history, philosophy, religion, classics, modern languages, the theatre, art, and music; or with work in linguistics and composition in the Department.

Examinations: two examinations will be general, the third will test the candidate's work in her chosen program of correlation.

FRENCH LANGUAGE & LITERATURE

PROFESSORS:	*VINCENT GUILLOTON, AGRÉGÉ DE L'UNIVERSITÉ HÉLÈNE CATTANÈS, DOCTEUR DE L'UNIVERSITÉ DE PARIS RENÉ GUIET, DOCTEUR DE L'UNIVERSITÉ DE PARIS, <i>Chairman</i> MARGARET HILL PEOPLES, PH.D.
VISITING PROFESSOR:	ARMAND HOOG, AGRÉGÉ DE L'UNIVERSITÉ
ASSOCIATE PROFESSORS:	LOUISE MARIE BOURGOIN, LIC. ÈS L., O.A. MADELEINE GUILLOTON, LIC. ÈS L., A.M. MARTHE STURM, LIC. ÈS L., DIPLÔME D'ÉTUDES SUPÉRIEURES MARINE LELAND, PH.D.
ASSISTANT PROFESSORS:	†A. JEANNE SALEIL, AGRÉGÉE DE L'UNIVERSITÉ JEANNE SEIGNEUR GUIET, A.M. ANNE GASOOL, A.M. RUTH TEMPLETON MURDOCH, PH.D.
INSTRUCTORS:	WILSIE FLORENCE BUSSELL, PH.D. MARY LOUISE LIBBY, A.M. MARIE-ROSE GANTOIS, LIC. ÈS L. LUCILE FRENILLOT MARTINEAU, A.M. MARIE-JEANNE HOOG, DIPLÔME D'ÉTUDES SUPÉRIEURES

The course in French which may be taken to fulfill the distribution requirement in Group A is 26.

All classes in the Department except 312a are conducted in French.

Freshmen who plan to major in French or who hope to spend the junior year in Paris or in Geneva are advised to take 13 or 22a and b.

It is recommended that students have a reading knowledge of a second language (ancient or modern), and that those planning to major in French take a general course in English literature and one in European history.

A. Language

11D *Elementary Course* (first and second parts). *Six hours each semester.* M T W Th F 10, 12, or M 3, T W Th F 2, and one hour to be arranged. Members of the Department. (L)

12 *Elementary Course* (second part). Prerequisite, two units in French. M T W 10, 12; Th F S 10, 11, 12. Members of the Department.

13 *Reading, Grammar, and Composition.* Prerequisite, three units in French, 12, or 11D. M T W 9, 12; Th F S 9, 10. Members of the Department.

FRENCH LANGUAGE & LITERATURE

- 22a, 22b *Intermediate Course*. Reading and discussion of modern texts. Written and oral reports. Prerequisite, four units in French, 13, or 16. M T W 9, 10; Th F S 9, 11. Members of the Department.
- 24a *Theoretical and Practical Phonetics*. Exercises in hearing, pronunciation, and phonetic dictation. Two class hours. One hour. Th F 4. Miss Sturm.
- 24b A repetition of 24a.
- 31a *Advanced Course in Grammar and Composition*. Recommended to those who intend to teach French. Prerequisite, 22a and b. M T W 10. Miss Cattànès.
- 34b *Advanced and Experimental Phonetics*. Prerequisite, 24a or b. Two hours. Miss Sturm.
- 37a *Teachers' Course*. Discussion of problems of modern language teaching. Miss Cattànès.

B. Literature

Unless otherwise stated the prerequisite for courses of Grade III is 26.

- 16 *Introduction to French Literature*. Choice of representative texts; literary, historical, and cultural background. Prerequisite, three units in French, 12, or 11b. M T W 9, 10, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L)
- 26 *Masterpieces of French Literature of the Nineteenth Century*. Novel, drama, poetry. Prerequisite, four units in French, 13, or 16. M T W 9, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L)
- [310b *Life and Works of Molière*. Alternates with 316a. W Th F 2. Miss Leland.]
- 311 *French Literature in the Seventeenth and Eighteenth Centuries*. Th F S 9. Mr Hoog.
- 312a *French-Canadian Civilization from 1763 to the Present*. Conducted in English. Recommended background, a reading knowledge of French. W Th F 2. Miss Leland.
- 316a *French Literature to the End of the Renaissance*. Alternates with 310b. Th F S 10. Mr Guet.
- [317a *The French Novel from 1700 to 1850*. Alternates with 320a. Th F S 10. Mr Guet.]
- 318a *Contemporary French Drama and Poetry*. Recommended background, 311. Th F S 11. Mr Hoog.

FRENCH LANGUAGE & LITERATURE

- 318b *Contemporary French Novel*. Recommended background, 311. Th F S 11.
- 320a *The French Novel from 1850 to 1914*. Alternates with 317a. Miss Cattànès.
- 323b *Modern France*. Social and cultural trends. Primarily for majors not taking their junior year in Paris. Miss Sturm.
- 40b Review Unit.
- 41, 41a, 41b Special Studies in French language or literature. By permission of the Department for senior majors who have had twelve semester hours above Grade I in French. *Two or three hours*.
- 45a *History of Modern French Thought*. The Renaissance to the present. For seniors by permission of the instructor. Miss Sturm.
- 47a *Studies in Eighteenth Century Literature*. Alternates with 48a. For seniors by permission of the instructor. Miss Peoples.
- [48a *Victor Hugo*. Alternates with 47a. For seniors by permission of the instructor. Miss Peoples.]

C. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged in consultation with the Department. *One hour or more*.
- 52 *Old French*. Linguistics and literature. Miss Leland.
- 53 *Problems of Modern Syntax*. Miss Cattànès.
- [56a *Development of Literary Criticism in France*. Mr Guilloton.]
- 56b *Literary Relations between England and France in the Eighteenth Century*. Mr Guilloton.
- 58b *Montaigne*. *One hour or more*. Mr Guiet.
- [510b *French Poetry from 1885 to the Present*. Mrs Guilloton.]

Adviser of graduate study: Mr Guilloton.

FRENCH LANGUAGE & LITERATURE

THE MAJOR

Advisers: Mrs Guilloton for 1954. Mr Guilloton for 1955.

Based on 26; on 16 or 13 if 26 is taken junior year in addition to the major.

Essential Courses: 40b and eighteen semester hours in French.

Optional Courses: other courses in the Department or in allied fields.

HONORS

Director: Miss Leland.

Prerequisite: 26.

Program:

Requirements: the general requirements for the major; a unit involving the writing of a paper; a review unit.

Optional: with the approval of the director any unit or course in French or in an allied field of Grade III or IV or, for seniors, Grade V.

Examinations: of the three examinations, the two on literature will be written in English. One general examination on the whole field of French literature; one specialized examination on a limited period (sixteenth, seventeenth, eighteenth, or nineteenth century, or the modern field); one on language with translation from English to French, from French to English, and a short composition in French.

GEOLOGY & GEOGRAPHY

ASSOCIATE PROFESSORS:	ROBERT FRANK COLLINS, A.M. CAROLINE HEMINWAY KIERSTEAD, PH.D. BENJAMIN MARTIN SHAUB, PH.D.
ASSISTANT PROFESSORS:	HELEN STOBBE, PH.D., <i>Chairman</i> MARSHALL SCHALK, PH.D.
TEACHING FELLOW:	PEARL GOODWIN, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Geology 11 and Physical Science 194.

Students planning to major or to do honors work in geology or geography are advised to take at least one of the following: chemistry, physics, or zoology.

11 *General Geology*. Forces of nature now modifying the materials and structure of the earth; history of the earth. Field trips. Two lectures and one hour of discussion following two hours of laboratory. Lec. Th F 10. Lab. and Dis. M 9-12; M, T, Th, F 2-5; S 9-12. Mr Collins, Mr Schalk.

GEOLOGY & GEOGRAPHY

- 13 *North America*. The physical features, climate, natural resources, and regional characteristics of North America with emphasis on the development, scientific utilization, and conservation of natural resources. M T W 10. Mrs Kierstead.
- 21a, 21b *Introductory Meteorology*. The weather elements; their observation; air mass analysis; short-term and aeronautical forecasting; climatology. Prerequisite for 21b, 21a. Two lectures and one demonstration. Mr Schalk.
- [23a, 23b *Paleontology*. Morphology, classification and geological significance of fossil invertebrates. Prerequisite, 11 or elementary zoology; 23a is not required for 23b. Two lectures and three hours of laboratory. Lec. M T 12; Lab. W 12, 2-4. Mrs Kierstead.]
- 24a *Mineralogy*. General principles; study of the more important rock-forming and economic minerals. For students who have passed or are taking 11, Chemistry 11, Physics 11, or Physical Science 193 or 194. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and Rec. Th F 9; Lab. M 2-4:30. Mr Shaub.
- 25b *Lithology*. Interrelation of the main rock types; their origin, structure, mineral composition, occurrence, and economic importance. Field methods of identification. Prerequisites, 11 and 24a. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and Rec. Th F 9; Lab. M 2-4:30. Mr Shaub.
- 26 *Economic Aspects of Geography*. Natural resources of the world in relation to climatic, physiographic, and geologic setting; geographic factors in the development of the world's great trade routes. M T W 11. Mr Shaub.
- 28a *Principles of Cartographic Drafting, Editing, Reproduction*. Practice in map reading, compilation and simple map drafting. Lecture, two hours; laboratory, three hours. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.
- 29b *Geologic and Geographic Illustration*. Charts, graphs, block diagrams, sections. Drawing for reproduction. Two lectures and three hours of laboratory. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.
- 211a *Gems and Precious Stones*. Their properties, origin, and occurrence; their recovery, processing, and marketing; their history. M T W 10. Mr Shaub.
- 212b *Gems and Precious Stones*. Laboratory identification of natural, synthetic, and artificial gems; cutting and processing semiprecious stones. Prerequisite, 211a. One hour. Mr Shaub.
- 31a *Geography of Asia*. Influence of relief, climate, and natural resources on the life, movements, and history of its peoples. M T W 10. Miss Stobbe.

GEOLOGY & GEOGRAPHY

- 31b *Europe and North Africa*. Geographic backgrounds of current problems. M T W 10. Miss Stobbe.
- 32a *South America*. Geography of the continent; climatic and physiographic backgrounds of cultural, political, and economic development. M T W 12. Miss Stobbe.
- 33a *Geomorphology*. Principles and processes of landform development. Geomorphic cycles. Principles and examples of landform classification. Prerequisite, 11. Th F 11 and hour recitation to be arranged. Mr Collins.
- 33b *Physiography of the United States*. Surface expression as function of lithology, structure, climate, and cycle of the physiographic provinces of the United States. Prerequisite, 33a. Th F 11 and one hour recitation to be arranged. Mr Collins.
- 34a, 34b *Economic Geology*. Lectures and laboratory study of geological products of commercial value. Prerequisites, 11, or 24a, or Chemistry 11. Lec. Th F 12; Lab. hours to be arranged. Miss Stobbe.
- [35a, 35b *Historical Geology*. Evolution of modern life and its relation to Cenozoic environment. Prerequisite for 35a, 11; for 35b, 35a. Lec. Th F 12 and one hour to be arranged. Mr Collins.]
- 36a, 36b *Field Geology*. Methods; theory and use of Brunton, alidade, and other mapping instruments; topographic and geologic surveying; applied structural geology. Prerequisite for 36a, 11; for 36b, 36a. T Th 2-6. Mrs Kierstead.
- [37a *Stratigraphy*. Geological systems and subdivisions; their invertebrate fossil content and lithologic characteristics. A field trip of one or more days. Prerequisite, 23a or b. Mrs Kierstead.]
- 38a *Optical Mineralogy*. Optical properties and identification of minerals in fragments and thin sections. Prerequisite, 25b. Mr Shaub.
- 39b *Petrography*. Identification and classification of rocks with the polarizing microscope. Prerequisite, 38a. Mr Shaub.
- 314b *Geology of Petroleum and Natural Gas*. Their origin, occurrence, and distribution; application of geological principles to their finding and exploitation. Prerequisite, 11, Physical Science 194, or permission of the instructor. Mr Schalk.
- 322b *Structural Geology*. The study and interpretation of rock structures; their origin, topographic effect, and economic importance. Open to students who have passed Geology 11. Lec. T W 11; Lab. two hours to be arranged. Mrs Kierstead.

GEOLOGY & GEOGRAPHY

- 40b Senior Review Essay. For seniors majoring in geology or geography. M 2-5. Members of the Department.
- 41, 41a, 41b Special Studies in geology or geography. By permission of the Department for senior majors who have had twelve semester hours above Grade I in the Department. *Two or three hours.*
- 46a, 46b *Micropaleontology*. A study of micropaleontology with particular emphasis on Foraminifera, their classification and importance in petroleum geology. By permission of the instructor. Lec. M T 12; Lab. W 12, 2-4. Mrs Kierstead.
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51, 51a, 51b Individual problems in geology or geography. *Two hours or more.*
- 52, 52a, 52b *Paleontology or Stratigraphy*. *Two hours or more.* Mrs Kierstead.
- 53, 53a, 53b *Physiography*. *Two hours or more.* Mr Collins.
- 54, 54a, 54b *Structural Geology*. *Two hours or more.* Mrs Kierstead.
- 55, 55a, 55b *Crystallography, Mineralogy, Petrology, or Gemology*. *Two hours or more.* Mr Shaub.
- 57, 57a, 57b *Petroleum Geology*. *Two hours or more.* Mr Schalk.
- Adviser of graduate study: Miss Stobbe.

THE MAJORS

Geology

Advisers: Mr Collins, Mrs Kierstead, Mr Shaub.

Based on 11, or, by permission of the Department, on Physical Science 194.

Essential Courses: 36a and b, 40b, and twelve semester hours in geology.

Optional Courses: other courses in geology or in other sciences.

Geography

Advisers: Miss Stobbe, Mr Schalk.

Based on 11, 13, 21a, or 26.

Essential Courses: 11 if not already taken; 40b and twelve semester hours above Grade II in the Department.

Optional Courses: other courses in geology; courses in other sciences, history, and economics.

GEOLOGY & GEOGRAPHY

HONORS IN GEOLOGY

Director: Miss Stobbe.

Prerequisites: 11, and 23a and 23b *or* 24a and 25b; and one year of college chemistry, physics or zoology.

Program:

Requirements: 23a and 23b *or* 24a and 25b (whichever has not been taken previously); 33a and 33b; 36a and 36b; and six additional hours of Grade III or above in geology *or* six hours in an advanced course of a science other than geology.

Examinations: two will be in the general field of the major; a third may be in a field of concentration.

GERMANIC LANGUAGES & LITERATURES

PROFESSOR:

PAUL GERALD GRAHAM, PH.D.

ASSOCIATE PROFESSOR:

MARIE SCHNIEDERS, PH.D., *Chairman*

ASSISTANT PROFESSOR:

ANITA LURIA ASCHER, PH.D.

INSTRUCTOR:

HELENE SOMMERFELD, A.M.

The courses in German which may be taken to fulfill the distribution requirement in Group A are 25a and b, 26, 27a and b.

Students who possess a thorough knowledge of German considerably in excess of what they need to offer for admission, or of what their preparatory school work indicates, may be assigned to more advanced classes. They should consult the chairman of the Department.

Students planning to major in German should carry work in German in the first two years. A course in European history and a course in philosophy are also recommended.

Those who need a knowledge of German for use in the sciences will be given appropriate reading in the various German courses.

A. German Language

- 11 *Elementary Course*. Five class hours. *Three hours each semester*. M T W Th F 9, 11, 12. Miss Schnieders (*Director*), Mr Graham, Miss Ascher.
- 11D *Elementary Course* (covering the work of two years). Seven class hours. *Six hours each semester*. M T W Th F 10 and two hours to be arranged. Mrs Sommerfeld. (L)
- 12 *Intermediate Course*. Prerequisite, two units in German or 11. M T W 11, Th F S 11. Miss Ascher, Mrs Sommerfeld. (L)

GERMANIC LANGUAGES & LITERATURES

- 21 *Composition and Conversation*. Prerequisite, three units in German, 11b, 12, or the equivalent. M T W 9. Mrs Sommerfeld.

B. German Literature

The prerequisite for courses of Grade III is a Grade II course or the equivalent.

- 25a, 25b *Modern Prose*. The *Novelle* of the nineteenth and twentieth centuries. Prerequisite, three units in German, 11b, 12, or the equivalent. Th F S 11. Miss Ascher. (L)

- 26 *An Introduction to the Classical Literature of the Eighteenth Century*. Selections from the works of Lessing, Goethe, and Schiller. Prerequisite, three units in German, 11b, 12, or the equivalent. M T W 10, Th F S 10. Mr Graham, Miss Schnieders. (L)

[27a *German Literature in Translation*. Classicism and romanticism.]

[27b *German Literature in Translation*. Realism, naturalism, and contemporary literature.]

- 34a, 34b *German Literature of the Nineteenth Century*. Beginning with the romantic movement. Th F S 9. Mr Graham.

- 35b *An Historical Survey of German Literature*. The earliest times to the middle of the eighteenth century. Miss Ascher.

- 38a *Masters of Modern German Literature*. Selected works of representative writers since 1890.

- 311a *Goethe: His Life and Works*.

- 311b *Goethe's Faust, Parts I and II*.

- 40b Directed reading required of seniors majoring in the Department.

- 41, 41a, 41b Special Studies arranged in consultation with the Department. By permission of the Department for senior majors who have had twelve semester hours above Grade I in German. *Two or three hours*.

C. Germanic Philology

- 42a *Historical Survey of the German Language*. Miss Schnieders.

D. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours*.

GERMANIC LANGUAGES & LITERATURES

51, 51a, 51b Special Studies in the fields of literature and linguistics arranged in consultation with the Department. *One hour or more.*

Adviser of graduate study: Miss Schnieders.

THE MAJOR

Adviser: Miss Schnieders.

Based on 11D or 12.

Essential Courses: 21, 35b, 40b, and nine semester hours of other German courses above Grade II.

Optional Courses: courses in German except 27a and b, in literature, history, or philosophy.

HONORS

Director: Mr Graham.

Prerequisites: 21, 26, or the equivalent.

Program: a minimum of forty-eight semester hours.

Requirements: a minimum of twenty-four semester hours in the Department; twelve hours in related fields; three or six in first semester of senior year on the preparation of a paper; three in second semester on directed reading.

Examinations: an examination on the general field; one on a specialized field; and an analytical examination which may include such topics as problems of analysis, criticism, and style, translation from German into English and from English into German, a composition in German.

UNITS

The Department will offer units in the fields of linguistics, literature, and language for honors students in German or for honors students in other departments who have had a Grade II course in German. In addition units conducted in English will be offered for honors students in other departments who have had no German.

GOVERNMENT

PROFESSORS:	BENJAMIN FLETCHER WRIGHT, PH.D., LL.D. GWENDOLEN MARGARET CARTER, PH.D., <i>Chairman</i>
VISITING PROFESSOR:	VERA MICHELES DEAN, PH.D., LL.D.
ASSOCIATE PROFESSOR:	§ALAN BURR OVERSTREET, PH.D., <i>Acting Chairman until September</i>
ASSISTANT PROFESSORS:	*CECELIA MARIE KENYON, PH.D. ROY PIERCE, PH.D. DONALD ROWE MATTHEWS, PH.D.
INSTRUCTORS:	JOHN WILLIAM CHAPMAN, A.B. LEO WEINSTEIN, A.B.

Among the courses which may be taken to fulfill the distribution requirement in Group E are Government 11, 21, 31, 37, 323, Social Science 192.

For students planning to major or to do honors work in the Department, 21, History 11, Economics 21, and Sociology 26 are suggested. See also the honors program.

- 11 *Introduction to Politics.* Leading problems, principles, and concepts in political science. For freshmen and sophomores only; not open to students who have taken Social Science 192. Two lectures and one recitation. Lec. M T 12. Rec. W 9, 12, 2; Th 11, 12, 3; F 11, 2. Mr Pierce, Mr Weinstein, and members of the Department.
- 11a The first semester of 11 for sophomores who have passed Social Science 192. Hours and instructors as in 11.
- 21 *American Government.* A survey of American government—national, state, and local. Primarily for sophomores, and for juniors and seniors not majoring in the Department. Th F S 11. Mr Weinstein.
- 31 *Comparative Government.* Ideas and institutions of democratic and totalitarian governments, and special attention to England, France, Germany, and Russia in comparison with the United States. Recommended preparation, 11 or History 11. M T W 9. Mr Pierce.
- 32a *The Commonwealth of Nations.* Its development and organization, and a study of political ideas and institutions in Canada, Australia, New Zealand, South Africa, India, Pakistan, and Ceylon. Th F S 10. Miss Carter.
- [33a *American Constitutional Development.* The origins and framing of the Constitution; contemporary interpretations; the study of Supreme Court decisions, documents, and other writings dealing with the interpretation of the Constitution, with emphasis upon changing ideas concerning federalism, property rights, and civil liberties.]

GOVERNMENT

- 33b *American Constitutional Law*. Powers of the national government and fundamental rights of citizens as interpreted by decisions of the Supreme Court. Th F S 12. Mr Weinstein.
- 34a *American Politics: Political Parties*. Their techniques and their place in the American system. M T W 3. Mr Matthews.
- [34b *American Politics: Pressure Groups*. A study of their role in American politics and their effect on the theory and practice of "government by public opinion."]
- [35a *International Law*.]
- 36a *Public Administration*. A study of the role of the administration in the formulation and execution of public policy; administrative techniques and popular control; and government regulation of the economy. M T W 11. Mr Chapman.
- [36b *Public Administration*. Political aspects of government regulation, with emphasis on transportation, public utilities, housing, and atomic energy development.]
- 37 *International Relations*. The context, practices, and problems of international politics; an introduction to international law and international organization; the conflict of foreign policies. Open by permission of the instructor to sophomores who have taken 11. M T W 10. Mrs Dean.
- [38a *American Political Thought*. A history of American ideas concerning politics and government from the colonial period to the present.]
- [322a *Foreign Policy of the United States to 1898*.]
- [322b *Foreign Policy of the United States since 1898*.]
- 323 *History of Political Thought from Plato to the Present*. Greek political philosophy, the Stoics, medieval theory, rise of the nation-state, and approaches to an international world order. Designed to provide a foundation for the understanding of current political problems. Th F S 11. Miss Carter.
- 342b *Local Government and Politics*. Policy-making and administration in municipal and rural government, including the study of political machines and urban planning. M T W 3. Mr Chapman.
- 40b Directed reading required of seniors majoring in the Department. Miss Kenyon and members of the Department.
- 41, 41a, 41b Special Studies in advanced work arranged for individuals or small groups. By permission of the Department for senior majors who have had twelve semester hours above Grade I in government. *Two or three hours*.

GOVERNMENT

42b *Seminar in Contemporary Political Thought*. By permission of the instructor. Miss Carter.

43b *Seminar in International Organization*. By permission of the instructor. Mrs Dean.

44a *Seminar in American Government*. By permission of the instructor. Mr Chapman.

45a *Seminar in Comparative Institutions*. By permission of the instructor. Mr Pierce.

46b *Seminar in American Political Thought*. By permission of the instructor. Mr Aaron.

47b *Seminar in Public Opinion and Pressure Groups*. By permission of the instructor. Mr Matthews.

HISTORY AND SOCIAL SCIENCE 495b *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject for 1954: Africa. By permission of the director.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies. *Two or three hours.*

[55a], 55b Seminar.

Adviser of graduate study: Mr Matthews.

THE MAJOR

Advisers: Miss Carter, Miss Kenyon, Mr Overstreet, Mr Pierce, Mr Chapman, Mr Matthews.

Based on 11 or Social Science 192 and Government 11a, or in exceptional circumstances on a satisfactory combination of courses approved by the chairman.

Essential courses: 323, 40b, and twelve semester hours in government.

Optional courses: nine semester hours selected from government and approved courses in history, economics, sociology, philosophy, or religion.

Majors may spend the junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

HONORS

Director: Mr Pierce.

Prerequisites: 11 and an introductory course in history, economics, or sociology; or Social Science 192 and Government 11a and one introductory course in history; or in exceptional circumstances a satisfactory combination of courses approved by the director.

Minimum requirement: (1) one unit or seminar in junior and in senior year; (2) the unit in political theory or 323 in junior year; (3) a long paper, normally six

GOVERNMENT

hours in the first semester, or three hours each semester of senior year; (4) directed reading, normally three hours, in second semester of senior year.

Examinations: comprehensive examinations consisting of a general examination in political science and theory, one in the special field, and one in a specific subject.

UNITS

Political Theory. First semester. Miss Carter.

Comparative Government. Second semester. Mr Pierce.

International Law and Relations. First semester. Mrs Dean.

[*Studies in the American Democratic Tradition.* Second Semester. Mr Aaron.]

American Politics. First semester. Mr Weinstein.

HISTORY

PROFESSORS:

**SIDNEY R. PACKARD, PH.D.

**HAROLD UNDERWOOD FAULKNER, PH.D., L.H.D.

**VERA BROWN HOLMES, PH.D.

LEONA CHRISTINE GABEL, PH.D.

MAX SALVADORI, DR.SC. (POL.)

ASSOCIATE PROFESSORS:

JEAN STRACHAN WILSON, PH.D., *Chairman*

ELISABETH KOFFKA, PH.D.

ASSISTANT PROFESSORS:

JANE ELEANOR RUBY, PH.D.

KLEMENS VON KLEMPERER, PH.D.

JOHN DUNN DAVIES, PH.D.

CHARLES W. MACSHERRY, M.A.

DONALD H. SHEEHAN, PH.D.

INSTRUCTOR:

NELLY SCHARGO HOYT, PH.D.

TEACHING FELLOW:

ANNA MACIAS, A.B.

The prerequisite for all courses above Grade I in the Department is 11, 12, or 13.

The distribution requirement in Group D may be met by any one of these courses.

Qualified students who may wish to fulfill this requirement by taking courses of Grade II should consult the chairman of the Department.

11 *General European History.* A survey of the history of Europe from the decline of the Roman Empire to the present. One lecture and two recitations. Lec. M 2. Rec. T W 10, 11, 12, 2; Th F 9, 10, 11, 12. Members of the Department. *Director*, Mr von Klemperer.

12 *The Ancient World.* A survey of Mediterranean civilizations to the fall of the Roman Empire. Two lectures and one recitation. Lec. M T 10; Rec. W 10, 12, 3.

HISTORY

- 13 *History of the Western Hemisphere.* A study of the Americas from the age of discovery to the present: the European heritage, the growth of colonial societies, imperial rivalries, the development of a variety of cultural patterns, and the evolution of the United States, Canada, and the Latin American nations in their world setting in the nineteenth and twentieth centuries. Th 9, 10, or 12 and F S 9. Mrs Holmes and Mr Sheehan with the cooperation of Mr Faulkner, Mr Davies and others.
- 24a *Early English History to 1603.* M T W 11. Mr Packard.
- 24b *English History since 1603.* M T W 11. Miss Wilson.
- [32a *The Ancient Near East.* Civilization in Egypt, Mesopotamia, Asia Minor, Syria, Palestine, and Persia. M T W 9.]
- [32b *The Struggle for Democracy and Liberty in Ancient Greece and Rome.* M T W 9.]
- 33a *History of Greece in the Age of Pericles.* A study of Greek civilization at its height, with an epilogue on the Hellenistic period. M T W 9.
- 33b *The Roman Empire.* Chiefly a social and political study. M T W 9.
- [34b *Economic and Social History of Europe in the Middle Ages.* Recommended background, 11, 24a, or 35b. M T W 10. Mr Packard.]
- 35b *Cultural History of Europe in the Middle Ages.* Recommended background, 11, 24a, or 34b. M T W 10. Miss Ruby.
- 36 *Age of the Renaissance and Reformation.* A study of the transition from medieval to modern times. Th F S 9. Miss Gabel.
- 37a *Problems of German History from 1648 to the Present.* A study of the growth and interaction of German intellectual, social, political, and economic forces within the framework of modern Europe. Alternates with 317a. Th F S 10. Mrs Koffka and Mr von Klemperer.
- 38a *Intellectual History of Europe in the Eighteenth Century.* Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mrs Koffka.
- 38b *Intellectual History of Europe in the Nineteenth Century.* Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mrs Koffka.
- 39 *Modern European History.* Political, economic, and social developments during the nineteenth and twentieth centuries. M T W 12. Mr Salvadori.

HISTORY

- 310a *Modern Britain*. Political, social, and intellectual history of Britain in the nineteenth and twentieth centuries. Alternates with 311a. M T W 11. Miss Wilson.
- [311a *England under the Tudors and Stuarts*. Political, social, and intellectual history of England in the sixteenth and seventeenth centuries. Alternates with 310a. M T W 11. Miss Wilson.]
- [316b *Modern Imperialism*. Changing conceptions of imperialism in the nineteenth and twentieth centuries under the impact of power politics and ideological factors, with special reference to British, French, and Russian rivalries in Asia and Africa. Th F S 11. Mrs Holmes.]
- [317a *History of Russia from the Kievan Period to the Present*. Alternates with 37a. Th F S 10. Mr von Klemperer.]
- 318a *Introduction to Far Eastern Civilizations to 1500*. A survey of the political, economic, social, and cultural aspects of the civilization that developed in China; its extension and modification in Japan and other areas of Eastern Asia. Th F S 10. Mr MacSherry.
- 318b *Introduction to Far Eastern Civilizations, 1500 to the Present*. A survey of Far Eastern civilizations during the period of limited contact with the West (16th to 18th centuries) and the period of extensive Western influence (19th and 20th centuries). Th F S 10. Mr MacSherry.
- 319a *American Political History from the Eighteenth Century to 1865*. W Th F 2. Mr Sheehan.
- 319b *American Political History from 1865 to 1945*. W Th F 2. Mr Sheehan.
- 320a *History of the United States in the Twentieth Century*. Effects of social and technological changes on the economic problems of the American people, their political interests and party organizations, cultural development, and relations with the rest of the world. M T W 11. Mr Faulkner.
- 321a *American Intellectual History, 1607-1865*. Early development of significant American ideas and social attitudes in relation to social and economic environment. Special emphasis on interchange of American and European ideas, agencies of intellectual life, and developments in religion, science, and the arts. Th F S 11. Mr Davies.
- 321b *American Intellectual History, 1865-1950*. The historical background of contemporary American thought, emphasizing the influence of industrialism, science, and religion. Th F S 11. Mr Davies.
- [322a *Foreign Policy of the United States to 1898*. W Th F 2. Mr Sheehan.]

HISTORY

- [322b *Foreign Policy of the United States since 1898.* M T W 11. Mr Overstreet.]
- 323a *American Economic History since 1865.* Economic development of the United States and its influence upon political history. M T W 10. Mr Faulkner.
- [324a *The American Nation: the Middle Period, 1815-40.* Th F S 10.]
- 325a *Latin American History.* Political, economic, and cultural development of the Spanish American states and Brazil in the nineteenth and twentieth centuries. Open to sophomores by permission of the instructor. W Th F 3. Mrs Holmes.
- [331b *Modern Historical Thought.* A study of philosophies and general interpretations of history from the eighteenth century to the present. For seniors majoring in history, for nonmajors by permission of the instructor. Th F S 9. Miss Ruby.]
- 40b Senior Symposium. An examination of the problem of historical truth and of the major questions of historical interpretation. Discussions and lectures. Members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in history above Grade I. *Two or three hours.*

Undergraduate Seminars

These courses are limited to ten students and are open with the permission of the instructors to seniors, and to juniors who have completed a second course in history. They will ordinarily meet each week for two hours, counting as *three*. In special cases honors students may be permitted to take a seminar for *six* hours credit.

- [43b *Ancient History.* Problems in the decay of civilization drawn from the decline of ancient Greece and Rome.]
- [44b *The Medieval Town of the Twelfth and Thirteenth Centuries.* T 4. Mr Packard.]
- [46b *The Age of the Renaissance.* Open to majors in history and art. Miss Gabel, Mrs Kennedy.]
- 48a *Revolution and Dictatorship* The French Revolution and Napoleon, with special attention to the influence of liberal thought, the role of pressure groups, development of nationalism and imperialism, and rise of dictatorships. Miss Gabel.
- 49b *Problems of Social Reconstruction in Modern Britain.* Miss Wilson.
- 410a *The Growth of Liberal Institutions in European States, 1848-1913.* M 4. Mr Salvatori.

HISTORY

- [411a *Romanticism and Liberalism*. Main currents of thought in the first half of the nineteenth century, with special attention to their influence on the political developments during this period. Th 7:30. Mrs Koffka.]
- 411b *National Socialism*. A definition of the movement in terms of its historical roots, its ideology and policies. Th 4. Mr von Klemperer.
- 413a *The Early National Period: Business and American Life*. The emergence of the business class after 1789 and its influence on politics, thought, education, and religion. Mr Davies.
- [415b *United States Foreign Policy since 1898*. The seminar will concentrate on the Far East and its problems. Th 4. Mr Sheehan.]
- [420b *Inter-American Relations*. Problems in the relations of the United States with Latin America and Canada since 1900. Th 4. Mrs Holmes.]
- 425a *The Western Impact on China and Japan*. Th 4. Mr MacSherry.

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject for 1954: Africa. By permission of the director.

Graduate Seminars

- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Special problems in advanced work in history, arranged individually with graduate students. *One hour or more*.
- 55b *Modern European History: Nationalism and Socialism after 1880*. M 4. Mr Salvadori.
- [56b *Early American History*.]
- 57a *Recent American History*. Mr Faulkner.
- [58a *Modern Imperialism*. Selected Topics. Mrs Holmes.]

Adviser of graduate study: Mrs Holmes.

THE MAJOR

Advisers: Mrs Holmes, Miss Gabel (*Chairman*), Mr Packard, Mrs Koffka, Mr von Klemperer, Mr Davies, Mrs Hoyt, Miss Wilson.

Based on 11, 12, 13, or an equivalent course. Students who have been exempted from the distribution requirement in Group D are expected to take six semester hours in the Department in their first two years if they wish to major in history.

HISTORY

Essential Courses: 40b and eighteen semester hours in history.

Optional Courses: nine semester hours in history or in related departments.

Major programs may be arranged to correlate work in history and related subjects in such broad fields as ancient civilization, medieval or Renaissance studies, modern Europe, or area studies (*e.g.* the Americas).

Majors may spend the Junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

Attention is called to the Interdepartmental Major in American Studies.

HONORS

Director: Mr Packard.

Prerequisites: two courses in history or one course in history and one in a field appropriately related to the honors program.

Program: the fixed requirements for all candidates will consist of a minimum of twenty-four semester hours in history, plus six semester hours in history or in appropriately related courses in other departments. The required twenty-four semester hours in history will include at least six semester hours in units or undergraduate seminars offered by the Department, the unit, *History and Historians*, and, in senior year, a long paper.

Examinations: (1) a general comprehensive examination assuming some preparation in each of the fields—Europe before 1648, Europe since 1648, American history; (2) an examination on historical literature and method; (3) a special examination in one of the following fields: ancient, medieval, early modern, Europe since 1789, American. Students will construct their programs with this distribution and emphasis in mind.

UNITS

History and Historians (introductory unit). A study of great historians and of the development of historical thought. M 7:30. First semester. Members of the Department. Director, Miss Ruby.

Ancient History. Second semester.

Medieval France. First semester. Mr Packard.

The Age of the Renaissance. Second semester. Miss Gabel.

Western Europe in the Seventeenth Century, or *England in the Sixteenth and Seventeenth Centuries*. First semester. Miss Wilson.

Modern Imperialism. First semester. Mrs Holmes.

Modern Europe. Second semester. Mrs Koffka.

Recent Interpretations of American History. First semester. Mr Sheehan.

HYGIENE & BACTERIOLOGY

PROFESSORS:	MARION FRANCES BOOTH, A.B., B.S.C., M.D., College Physician, <i>Chairman</i> ELINOR VAN DORN SMITH, PH.D., <i>Subchairman</i>
ASSOCIATE PROFESSORS:	K. FRANCES SCOTT, PH.B., M.D. FRANCES CAMPBELL MCINNES, A.M., M.D.
ASSISTANT PROFESSORS:	ELIZABETH DOROTHY ROBINTON, PH.D. MARTHA VENETIA DORAN, A.B., M.D. MARGARET SYBIL MELCHER, A.B., M.D. PRISCILLA FLOCKTON, M.D.

HYGIENE

The requirement in hygiene may be met in one of four ways: (a) by passing an approved course in secondary school (students will be notified if their courses are approved); (b) by passing an examination given at the opening of college; (c) by completing 11a; (d) by completing 12a. The requirement must be completed by the end of the first year in college.

The exemption examination will cover the hygiene of all systems of the body and the prevention of communicable diseases.

11a *Hygiene Lectures*, Body mechanics, nutrition, vision and lighting, mental hygiene, the reproductive systems, and control of communicable diseases. One hour without credit. Students will be assigned to lecture hour. Dr Scott.

11b Repetition of 11a for students who failed or who have permission to postpone the requirement.

NOTE—Students who take 11a or b must carry it in addition to the minimum of fifteen hours.

12a *Hygiene of the Individual*. A discussion of each body system and function, and the differing health requirements at various age levels and under varying living conditions. M T W 3. Dr Scott.

12b *Hygiene of Group Living*. Elementary study of community health problems, including a discussion of preventable diseases and environmental health hazards, together with modern methods and official agencies for their control. Optional field trips. M T W 3. Dr Scott.

21b *Modern Public Health Movements*. Survey of the developing concept of public health since the eighteenth century, with consideration of the functions of official and nonofficial agencies; detailed study of major modern problems of public health; discussion of recent proposals for the socialization of medical care. Two afternoon field trips will be required. M T W 2. Dr Scott.

HYGIENE & BACTERIOLOGY

- 53b *Health Education*. Special problems of personal and environmental hygiene applying to the physical activity, growth, and health of school children, and to school buildings and playgrounds. For graduate students in physical education, or by permission of the instructor. Dr Scott.
- 54a *Advanced Health Education*. Construction of teaching units in the fields of personal and community health. Practice teaching. Prerequisite, 53b. Dr Scott.

BACTERIOLOGY

- 22 *General Bacteriology*. A systematic study of representative groups of bacteria with emphasis on their relation to domestic, economic, and public health problems. Prerequisite, Chemistry 11. Two lectures and two two-hour laboratory periods. Lec. M T 10; Lab. M W 2. Miss Robinton.
- 27a *General Microbiology*. Outline of the biological relationships of microorganisms to higher forms of life and the interrelationships among microorganisms. Lectures and demonstrations. M T W 12. Miss Smith.
- 27b *Microorganisms of Importance to Man*. A study of microbial activities in relation to the life of the individual and the community. Prerequisite, 27a. Lectures and demonstrations. M T W 12. Miss Smith.
- 34 *Advanced Bacteriology and Serology*. Basic theories and applications of bacteriological and serological methods for the identification of pathogenic bacteria. Prerequisite, 22. One lecture and five hours of laboratory. Lec. Th 2; Lab. Th 3-5, F 2-5. Miss Smith.
- 40b *Microbiology and Serology in the Twentieth Century*. Readings and discussion. Miss Smith, Miss Robinton.
- 41, 41a, 41b Special Studies in bacteriology and serology. By permission of the Department for senior majors who have had twelve semester hours in essential courses in the major above Grade I. *Two or three hours*.
- 42b *Pathogenic Fungi and Antibiotics*. Systematic studies of the higher bacteria and fungi of medical importance. Prerequisites, 22 and first semester of 34 or Botany 34a. Two lectures and two two-hour laboratory periods. Miss Robinton.
- 43a *Seminar in Backgrounds of Bacteriology*. A survey of the discoveries and developments in scientific thinking which culminated in the science of bacteriology. Prerequisite, 22 or 27b. Miss Robinton.
- 44b *Journal Seminar*. A study of source materials including current periodicals in bacteriology and immunology. By permission of the instructors for students who have passed or are taking 34. *One hour*. Miss Smith, Miss Robinton.

HYGIENE & BACTERIOLOGY

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Advanced Studies. *One hour or more.*

55a, 55b *Problems in Bacteriology and Serology.* *Two hours or more.* Miss Smith, Miss Robinton.

56b *Problems in Pathogenic Fungi and Antibiotics.* *Two hours or more.* Miss Robinton.

Adviser of graduate study: Miss Robinton.

Attention is called to the Interdepartmental Major in Bacteriology, page 138.

ITALIAN LANGUAGE & LITERATURE

PROFESSOR: MICHELE FRANCESCO CANTARELLA, A.M., *Chairman*

ASSOCIATE PROFESSOR: †RUTH ELIZABETH YOUNG, A.M.

INSTRUCTOR: MARIA TERESA ARRIGHI, DOTTORE IN LETTERE

The course in Italian which may be taken to fulfill the distribution requirement in Group A is 26.

Students planning to major in Italian who have entered with only two units of an inflected language will be required to take Latin 12a, Greek 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b.

11b or 12 is the prerequisite for 26, 36, 37, 38, and 39.

11 *Elementary Course.* Five class hours. M T W 9, Th F S 10, two hours to be arranged. Mr Cantarella.

11b *Elementary Course* (covering the work of two years). *Six hours each semester.* M T W Th F S 9, 12; additional hours to be arranged for conversation in place of some preparation. Mr Cantarella. (L)

12 *Intermediate Course.* Reading from modern Italian literature, with grammar and composition. Prerequisite, two units in Italian or 11. M T W 11. Mr Cantarella. (L)

26 *Survey of Italian Literature.* Reading of outstanding works, with cultural and social background. Th F S 11. (L)

[31a, 31b *Advanced Composition and Translation.* Mr Cantarella, Miss Young.]

36 *Dante: Vita Nuova, Divina Commedia.* M T W 10. Mr Cantarella.

[37 *Major Literary Figures from Petrarch to Tasso.* Miss Young.]

ITALIAN LANGUAGE & LITERATURE

[38 *Literature of the Eighteenth and Nineteenth Centuries.* Miss Arrighi.]

39 *Contemporary Literature.* Mr Cantarella.

40b Directed Reading and Review.

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Italian. *Two or three hours.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies. *One hour or more.*

Adviser of graduate study: Mr Cantarella.

THE MAJOR

Adviser: Mr Cantarella.

Based on 11D or 12.

Essential Courses: 26, except for those who spend the junior year in Italy, 36, 40b, and one other course of Grade III.

Optional Courses: closely related courses in allied fields such as history, literature, art, and music.

HONORS

Director: Mr Cantarella.

Prerequisite: 11D or 12.

Program: to be arranged with the director; three hours on an independent piece of work.

Examinations: one on the general field of literature; one on the field of specialization; one on linguistic preparation.

MATHEMATICS

PROFESSOR: NEAL HENRY MCCOY, PH.D., *Chairman*
ASSOCIATE PROFESSOR: RICHARD EDWARD JOHNSON, PH.D.

Students planning to take courses in mathematics are expected to offer at least three units of mathematics for entrance; those planning to major in mathematics are advised to take in the first two years Mathematics 12, 21 or 13, 22a. A course in astronomy or physics is also recommended. For additional preparation for honors work, see the honors program.

12 *Mathematical Analysis*. Trigonometry; analytic geometry; elements of calculus. Prerequisite, three units of mathematics not including trigonometry. M T W 10, Th F S 11. Mr Johnson.

NOTE—Credit will be given for the first semester, if it is followed in the same year by Astronomy 24b.

13 *Analytic Geometry, Differential Calculus*. Prerequisite, at least three units of mathematics including trigonometry. M T W 10, Th F S 11. Mr McCoy.

21 *Differential and Integral Calculus*. A continuation of 12. Prerequisite, 12. M T W 9. Mr Johnson.

22a *Differential and Integral Calculus*. A continuation of 13. Prerequisite, 13. M T W 9. Mr McCoy.

24b *Intermediate Calculus*. Partial derivatives, multiple integrals with applications to physical problems, infinite series. Prerequisite, 22a. M T W 9. Mr McCoy.

[31b *Differential Equations*. Solution and application of ordinary differential equations. Prerequisite, 21 or 22a. Th F S 10.]

[32b *Foundations of Geometry*. An introduction to the axiomatic study of Euclidean and non-Euclidean geometry and to certain concepts in topology. Prerequisite, three semester hours of mathematics above Grade I or permission of the instructor. Th 2-4, F 2.]

33a, 33b *Higher Algebra*. Topics from the theory of equations, and an introduction to modern abstract algebra. 33a for students who have passed or are taking 21 or 22a; prerequisite for 33b, 33a. M T W 11. Mr Johnson.

34a *Projective Geometry*. Prerequisite, 12 or 13. M T W 10. Mr McCoy.

[35b *Theory of Numbers*. Properties of integers including divisibility, theory of congruences, primitive roots, theorems of Fermat and Wilson. Prerequisite, three semester hours of Grade III in mathematics or permission of the instructor. M T W 10. Mr McCoy.]

MATHEMATICS

[36a *Infinite Series*. Prerequisite, 21 or 24b. Th F S 10.]

[38b *Solid Analytic Geometry*. For students who have passed 21 or 22a or are taking 21. M T W 10. Mr McCoy.]

[39a *Theory of Probability*. An introduction to the mathematical theory of probability including combinatory analysis, simple and conditional probability, binomial and normal distributions. For students who have passed or are taking 21 or 22a. M T W 10. Mr McCoy.]

40b Seminar. W 2-4. Mr McCoy with members of the Department.

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in mathematics. *Two or three hours*.

43 *Advanced Calculus*. A study of functions of two or more variables. Prerequisite, 21 or 22a. Th F S 10.

48a, 48b Honors paper, review, and coordination. For seniors.

50, 50a, 50b Research and Thesis. *Three or six hours*.

52a, 52b *Special Studies in Topology and Analysis*. *One hour or more*.

53a, 53b *Special Studies in Modern Geometry*. *One hour or more*.

54a, 54b *Special Studies in Algebra*. Theory of numbers, theory of groups, matrices and determinants, and modern algebraic theories. *One hour or more*.

Adviser of graduate study: Mr Johnson.

THE MAJOR

Advisers: Mr Johnson, Mr McCoy.

Based on 12 or 13.

Essential Courses: 21 or 22a, 40b, and other courses in mathematics, making a total of twenty-one semester hours, of which at least twelve must be above Grade II.

Optional Courses: other courses in mathematics.

Astronomy, courses above Grade I except 21a or b.

Physics, courses above Grade I.

Economics 38a and b; Chemistry 43; Philosophy 21a or b, 31b.

HONORS

Director: Mr McCoy.

Prerequisites: 12 and 21 or 13 and 22a.

MATHEMATICS

Program:

Essential Courses: 43, 48a, 48b.

Optional Courses: other courses in mathematics or courses in related fields chosen in consultation with the director.

Examinations: one will cover the common background of all majors, two will test the field of specialization.

MUSIC

PROFESSORS:

JOHN WOODS DUKE
SOLON ROBINSON
DORIS SILBERT, A.M., *Chairman*
ALVIN DERALD ETTLER, MUS.B.

ASSOCIATE PROFESSORS:

†RAYMOND PUTMAN
WILLIAM BEAUMONT SCATCHARD, B.MUS., B.S.
BIANCA DEL VECCHIO, DIPLOMA DI MAGISTERO
MARION DERONDE, A.B.
GERTRUDE PARKER SMITH, A.M.
LOUISE ROOD, A.M.

ASSISTANT PROFESSORS:

ANNA HAMLIN
IDA DECK HAIGH
JOHN KENNEDY HANKS, A.M.
PHILIP KEPPLER, JR., M.F.A.

DIRECTOR OF CHORAL

MUSIC:

IVA DEE HIATT, M.A.

INSTRUCTOR:

VERNON DETWEILER GOTWALS, M.F.A.

CURATOR:

RUTH MARGARET AGNEW, M.A.

TEACHING FELLOWS:

SHIRLEY FLEMING, A.B.
CAROL JOYCE, A.B.

The courses in music which may be taken to fulfill the distribution requirement in Group B are 13, 23. However, if a student is considering a major in the Department, 13 is not advised.

A. COMPOSITION

- 11 *Elementary Course.* Materials of composition: melodic, rhythmic, and harmonic. Three class hours. *Two hours each semester.* M T W 10, 12; W Th F 3; Th F S 10. Miss Silbert (*Director*), Miss Smith, Miss Rood, Mrs Haigh.
- 21 *Intermediate Course.* Exercises in linear writing. Prerequisite, 11. Not open to students who have taken or are taking 22. *Two hours each semester.* M T 3. Mr Gotwals.

MUSIC

- 22 *Intermediate Course*. Primarily for students who plan to take 33. Emphasis on counterpoint. Prerequisite, 11. Not open to students who have taken or are taking 21. *Two hours each semester*. F 4-6. Mr Etler.
- 33 *Composition in Small Forms*. Prerequisite, 22. Th 7-10. Mr Etler.
- 42 *Composition for Small Instrumental Groups*. Prerequisite, 33. Mr Etler.

B. LITERATURE

Unless otherwise stated the prerequisite for Grade III courses in this division is 23.

- 13 *Listeners' Course*. Observation of the elements of music and of musical composition. No previous training in music is required. This course may not be taken as the theory requirement by students receiving credit for practical music. M T 4 and a third hour to be arranged for sections. Mr Keppler.
- 23 *General History of Music*. Prerequisite, 13 or 11. W Th F 3. Miss Silbert.
- 31a *Tonal Organization*. Practice in analytical techniques. Prerequisite, 21 or 22. M T W 10. Miss Smith.
- 34b *Solo Song*. Study of representative works to 1920. M T W 12. Miss Smith.
- 35a *Nineteenth Century Opera*. W Th F 3. Mr Keppler.
- 35b *Symphonic Developments in the Nineteenth Century*. W Th F 3. Miss Rood.
- 37a *Bach, Handel, and Their Contemporaries*. Study of representative vocal and instrumental works. M T W 11. Miss Rood.
- 38a *Haydn and Mozart*. M T W 9. Miss Silbert.
- 311b *Chamber Music in the Nineteenth Century*. M T W 10. Miss DeRonde.
- 313a *The Literature of the Pianoforte*. M T W 12. Mr Duke.
- 40b *Synoptic Course*, to correlate the various approaches to the study of music: analytic, historical, critical. Required of senior music majors. Th 4-6. Members of the Department.
- 41, 41a, 41b *Special Studies in the theory and literature of music*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in music. *Two or three hours*.
- 43a *Vocal Polyphony*. Study of representative works up to 1630. Th F 11. Miss Smith.
- 44b *Studies in the Criticism of Music*. Various aspects as represented in important literary works. Two class hours. Miss Silbert.

MUSIC

45b *Modern Music*. Prerequisite 31a. Th F 11. Mr Etler.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced studies arranged on consultation with the Department.
One hour or more.

52b Graduate Seminar. Special topics. Mr Keppler.

53a *Precedents for Contemporary Procedures*. Mr Etler.

C. MUSIC PEDAGOGY

Music 320, 321a, and 46, combined with practical music and certain courses in education, are necessary for teaching music in schools. Students should consult Mrs Scatchard as early as possible in the college course. Students who wish to specialize in secondary school music are permitted to take 46 without the prerequisite of 320.

320 *Elementary School Music*. Music education from preschool through sixth grade. For students who have passed 11 and have passed or are taking 23. *Two hours each semester*. M T 2. Mrs Scatchard.

321a, 321b *Choral Conducting*. Fundamentals of conducting; study of various styles of choral music suitable for school and amateur groups. Prerequisite for 321b, 321a. Two class hours. *One hour*. T 4-6. Mrs Scatchard.

46 *Advanced School Music*. Music in junior and senior high schools. T W 12 and one hour of observation and participation to be arranged. Mrs Scatchard.

D. PRACTICAL MUSIC

Courses are offered in piano, organ, voice, violin, viola, violoncello, flute, oboe, clarinet, bassoon, and instrumental ensemble. There are fees for all courses involving individual instruction and for the use of practice rooms. These fees are listed on page 147 of the *Catalogue*.

Students taking practical music (Division D) to be counted within the minimum fifteen-hour program must take and pass at least an equal number of credit hours from Divisions A, B, or C (except 13). Any course in Division D and its accompanying course in Division A, B, or C may be counted together as one of the required number of three-hour courses, but each course will receive its full credit.

Courses of Grade I and II require one hour of individual instruction and six hours of practice per week and receive *two hours* of credit each semester. *Exceptions* to this are Music 141, courses in instrumental ensemble (see below), and courses taken in conjunction with Composition 33 or 42, which require nine hours of practice and receive *three hours* of credit each semester.

MUSIC

Courses of Grades III, IV, and V, if counted within the minimum fifteen-hour program, will require one hour of individual instruction and nine hours of practice and receive *three hours* of credit each semester.

Qualified students may divide the course, combining two hours credit in one instrument with one hour credit in a related instrument or in ensemble.

For upperclass students who are not majoring in music, a course carrying two hours credit is available if taken above the minimum fifteen-hour program.

No student in practical music will be admitted to a course above Grade II who has received a mark lower than C in the previous course in the same branch.

Before registering for any course in practical music the student must consult members of the Department at the College in May or during the days just previous to the beginning of the first semester.

VOICE, STRINGED INSTRUMENTS, WIND INSTRUMENTS. Students who wish to enter these courses must have the permission of the instructor. Permission will be granted on the basis of musical aptitude and ability. Candidates for scholarships must perform a piece of their own choice.

PIANO. The candidate will be expected to play three pieces representing different styles in piano literature, one from each of the following headings: (1) A piece by J. S. Bach. (2) An allegro movement from a sonatina or sonata by Clementi, Kuhlau, Haydn, Mozart, or Beethoven. (3) A piece composed after 1825.

ORGAN. The prerequisite for organ courses is Music 121 or its equivalent.

Piano

Mr Duke, Mr Robinson, Miss del Vecchio, Mrs Haigh.

121, 222, 323, 424, 525 Study of technique and representative literature.

Organ

Mr Gotwals.

232, 333, 434, 535 Study of technique and representative literature.

Voice

Miss Hamlin, Mr Hanks.

141 This course will require two class hours, one half-hour lesson and four hours of practice per week. *One hour each semester.* M T 2; Th F 12.

242, 343, 444, 545 Study of technique and representative literature.

Violin

Miss Rood.

151, 252, 353, 454, 555 Study of technique and representative literature.

MUSIC

Viola

Miss Rood.

161, 262, 363, 464, 565 Study of technique and representative literature.

Violoncello

Miss DeRonde.

171, 272, 373, 474, 575 Study of technique and representative literature.

Flute, Oboe, Clarinet, Bassoon

Mr Etler, *Director*, and staff.

181, 282, 383, 484, 585 Study of technique and representative literature.

Instrumental Ensemble

Miss DeRonde.

191a, 191b, 292a, 292b, 393a, 393b, 494a, 494b. Open to qualified students who are taking an instrumental course. These courses require one hour lesson and three hours of practice per week. *One hour each semester.*

THE MAJOR

Advisers: Miss Silbert, Miss Rood.

Based on 11.

Essential Courses: 21 or 22, 23, 31a, 40b, and five semester hours above Grade II.

Optional Courses: related courses in other fields.

HONORS

Director: Mr Keppler.

Prerequisites: 11, 21 or 22, 23.

Program: students will fulfill the requirements of the major, present a paper or composition, and take a minimum of nine semester hours in other departments. Apart from these requirements the program will be planned with the director to meet individual needs.

Examinations: one general comprehensive; one involving critical analysis on a limited field of concentration in literature or composition; one oral.

Adviser for graduate study: Miss Rood.

PHILOSOPHY

PROFESSORS:	MARY EVELYN CLARKE, PH.D. EDGAR WIND, PH.D. ALICE AMBROSE LAZEROWITZ, PH.D.
ASSOCIATE PROFESSORS:	MORRIS LAZEROWITZ, PH.D., <i>Chairman</i> DOROTHY WALSH, PH.D.
INSTRUCTOR:	LEONARD G. MILLER, M.A.

The courses in philosophy which may be taken to fulfill the distribution requirement in Group C are 11, 22, 24, 33.

- 11 *Introduction to Philosophy.* Reading and discussion of some of the most important classic and modern philosophical works, to introduce the student to such topics as the relation of mind and body, sources of knowledge, freedom and determinism, nature and status of ideals. M T W 10, 11; Th F S 9, 10. Mrs Lazerowitz, Miss Walsh, Mr Miller.
- 21a *Logic.* Introductory course, including study of common fallacies in reasoning, theory of the syllogism, and some modern developments. The course is intended to train the ordinary student in effective use of principles of correct thinking. Th F S 9. Mrs Lazerowitz.
- 21b Repetition of 21a. M T W 12. Mr Lazerowitz.
- 22 *Ethics.* The outstanding moral theories of classical and modern times, with applications to practical problems. Reading will include literature of the Epicureans and Stoics, Aristotle, Kant, Bentham, Mill, Nietzsche, G. E. Moore, Sartre. Th F S 9. Miss Clarke.
- 24 *History of Philosophy from Thales to Kant.* Introduction to philosophy, with emphasis on its historical development. The course should be of use also to students majoring in other fields who wish to obtain an acquaintance with the history of ideas. M T W 11, 12; Th F S 10, 11. Miss Clarke, Mr Lazerowitz, Mr Miller.
- 31b *Advanced Logic.* Postulate sets. The system of *Principia Mathematica*: general propositions; definite descriptions; classes and the theory of types. Prerequisite, 21a or b. Mrs Lazerowitz.
- 32a *Metaphysics and Science.* Development of a new technique for the solution of philosophical problems. Its application to a selection of metaphysical theories which closely resemble scientific theories: theories of time, space, substance, causality and freedom, universals, a priori propositions. Prerequisite, six semester hours in philosophy. Mr Lazerowitz.

PHILOSOPHY

- 32b *Epistemology*. General explanation of a new technique for the solution of philosophical problems. Its application to epistemological and closely related problems: our knowledge of the external world, other minds, the mind-body problem, rationalism and empiricism. Prerequisite, six semester hours in philosophy. Mr Lazerowitz.
- 33 *Aesthetics*. A discussion of general problems, with reference to sensuous structure, emotional expression, symbolism, artistic meaning, truth and value, judgments of appraisal. Th F S 10. Miss Walsh.
- 36a *Plato*. A systematic and historical study of the chief dialogues. By permission of the instructor, for students who have had 11 or 24. T 8-10 W 8. Mr Wind.
- 36b *The Platonic Tradition*. A study of Neoplatonism, beginning with Plotinus and Proclus, leading to Marsilio Ficino and Pico della Mirandola, and ending with the Cambridge Platonists. Prerequisite, 36a. M 4-6 T 4. Mr Wind.
- [37b *Hegel and Hegelianism*. A historical and critical study of Hegel, the man, and his doctrine, his rivals, followers, and opponents. By permission of the instructor, for students who have had 24 or History 38a and b. M 4-6 T 4. Mr Wind.]
- 38a *Oriental Philosophy*. Philosophical bases of Hinduism, Buddhism, and the metaphysical systems into which they developed. Prerequisite, six semester hours in philosophy, or History and Social Science 294. W Th F 3. Miss Clarke.
- 310a *American Philosophy*. Philosophical ideas of Edwards, Emerson, Royce, James, Dewey, and others, with attention to the connection of these ideas with current religious, political, and moral views. M T W 9. Mr Miller.
- 311 *Recent and Contemporary Philosophy*. James, Bergson, Whitehead, Santayana, Bradley, Russell, G. E. Moore. Prerequisite, 24. W Th F 2. Mrs Lazerowitz (first semester), Miss Walsh (second semester).
- 40b Review Unit.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in philosophy. *Two or three hours*.
- [45b *Kant*. A Study of the *Critique of Pure Reason* and readings from the *Critique of Practical Reason*, with consideration of their influence on later philosophy. For qualified students by permission of the instructor. Two class hours. Mr Wind.]
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged individually.

PHILOSOPHY

[53 *A Systematic Study of Aesthetic Theory.* Miss Walsh.]

[55a *Topics in Logical Theory.* With special reference to foundations of mathematics. Mrs Lazerowitz.]

[56b *Contemporary Ethics.* Miss Clarke.]

Adviser of graduate study: Mrs Lazerowitz.

THE MAJOR

Adviser: Miss Clarke.

Based on six semester hours in philosophy.

Essential Courses: twenty-one semester hours in philosophy, including 24 (unless used as the basis of the major) and 40b.

Optional Courses: related courses in other departments.

HONORS

Director: Miss Clarke.

Prerequisites: any year course in philosophy of Grade I or Grade II; in addition 21a or b and Psychology 11a and b or 12 are advised. For other prerequisites for specific programs the director should be consulted.

Program: the requirements for all candidates will consist of a minimum of twenty-four hours in philosophy, plus six hours in philosophy or in a related field. The work in philosophy shall normally include two units or seminars.

Examinations: one on philosophical systems and history of philosophy; one on value theories and methodology; one on some special topic in philosophy or in a related field.

UNITS

Aesthetics. Six hours. First semester. Miss Walsh.

Seventeenth and Eighteenth Century British Philosophy. Three hours. Second semester. Miss Clarke.

Logic. Three hours. Second semester. Mrs Lazerowitz.

Ethics. Six hours. Second semester. Miss Clarke.

These units will ordinarily be offered in alternate years.

PHYSICAL EDUCATION

PROFESSOR:	DOROTHY SEARS AINSWORTH, PH.D., <i>Director</i>
ASSOCIATE PROFESSORS:	FLORENCE MARIE RYDER, M.S. *HELEN LOUISE RUSSELL, PH.D., <i>Assistant Director</i>
ASSISTANT PROFESSORS:	EVELYN F. JENNINGS, B.S. LILLIAN M. MANCINI, A.M. RITA MAY BENSON, M.S. IN H.P.E. ANNE LEE DELANO, A.M.
LECTURER:	RUTH EVANS, A.M., M.P.E. (hon.), SC.D. (hon.)
INSTRUCTORS:	MARTHA COLEMAN MYERS, M.S. IN PHY. ED. CARYL MIRIAM NEWHOF, M.S. IN PHY. ED. MARJORIE HARRIS, B.S. JEAN CAMPBELL, M.S. IN PHY. ED. DORIS JOAN HINSON, M.S. IN PHY. ED. PHYLLIS M. OCKER, M.S. IN PHY. ED.

Physical Education 1a and b and 2a and b are required of all students in the first two years, the type of work being adjusted to the needs and conditions of individual students. Continuous failure in these courses due to lack of interest or to unexcused absences may result in the student's being requested by the President to withdraw from college.

All students who are in physical education classes or use the gymnasium are required to buy uniform suits and shoes.

The Athletic Association, open to all members of the College, is under the direction of this Department.

A. Physical Education

Requirements

1a, 1b *Basic Motor Skills, Dance, and Sports*.¹ Three periods of one hour each. Required for freshmen.

Fall Term. One period, basic motor skills; two periods, swimming for those who have not passed the test, for others a choice of the following:

Archery, canoeing, crew, golf, hockey, riding, soccer, swimming, tennis, volleyball.

Adapted physical education. Miss Ryder.

The dance, modern and folk. Mrs Myers, Miss Ocker.

Winter Term. One period, basic motor skills; two periods, a choice of:

Badminton, basketball, bowling, fencing, riding, squash, swimming, volleyball.

Adapted physical education. Miss Ryder, Miss Jennings.

¹A fee is charged for golf, riding, and campcraft.

PHYSICAL EDUCATION

The dance, continuing the fall course and new sections. Mrs Myers, Miss Ocker.

Spring Term. One period, basic motor skills; two periods, beginning swimming for those who have not passed the test, for others a choice of:

Archery, campcraft, canoeing, crew, golf, lacrosse, riding, softball, swimming, tennis, volleyball.

Adapted physical education. Miss Ryder.

The dance, continuing the fall and winter courses and new sections. Mrs Myers.

2a, 2b *Dance and Sports*. Three periods of one hour each. Required for sophomores.

Each term a choice of sports and dance as listed under the corresponding term for 1a and b.

A health consultation is required for juniors and seniors, and any student who is falling below a standard which for her is reasonable must take work under the direction of the Department as follows:

3a, 3b Required for these juniors.

4a, 4b Required for these seniors.

Elective Classes and Sports

Juniors and seniors may elect work in any class listed above or in the upperclass sports sections.

In addition there are weekend trips to the cabins under the auspices of the Outing Club, riding trips under the Riding Club, and open-hour swimming at the pool.

Courts and other equipment are available to all students when not being used by classes.

B. Course in the Training of Teachers of Physical Education

This course is open to students of Smith College and to graduates of other colleges of approved standing. Students entering it will be given the opportunity to specialize in one of four fields: adapted physical education, the dance, recreation (physical education in relation to community service and clubs), sports (in relation to schools and colleges).

The course has as its basic plan classes in science and education as well as physical education. Smith College students may take the scientific and educational courses as undergraduates and in so doing will be able to fulfill the requirements for the degree in one year after graduation.

Properly qualified students from Smith and other colleges will be accepted for work toward the degree of Master of Science in Physical Education (M.S. in Phy. Ed.). Six semester hours of zoology, nine hours of education, and six hours in one of the following: bacteriology, chemistry, experimental psychology, mathematics,

PHYSICAL EDUCATION

nutrition, physics, zoology should be offered as prerequisites. Students who have satisfactorily completed the courses equivalent to those leading to the diploma may become candidates for the degree in the first year; other students normally require two years.

It is also possible for students to take work leading to the degree of Master of Arts (A.M.) or of Master of Education (Ed.M.).

Students who wish to enter the course should present a written statement from a physician that they are in good condition and able to undertake a course in physical education. For further information write to Miss Ainsworth, Scott Gymnasium, for the special booklet describing the course.

33a, 33b *Adapted Physical Education*. The basic teaching material of preventive and corrective phases of physical education as applied to individual developmental needs. M T W 12. Miss Ryder.

42a, 42b *Methods and Materials of Physical Education*. Elementary course including the dance, recreation, and sports. Required in the first year of students entering from other colleges who have not fulfilled the requirement elsewhere. Open to undergraduates only by permission of the Director of Physical Education. Prerequisite for 42b, 42a. Two lectures, six hours of practice. Members of the Department.

43a, 43b *The Physiology and Anatomy of Movement*. An analytical study of human motor activity. Prerequisites, Zoology 12 and permission of the Director of Physical Education. Two lectures and four hours of laboratory. Lec. Th F 11; Lab. Th F 9-11. Miss Ryder.

50, 50a, 50b Research and Thesis. *Three or six hours*. Director, Miss Russell.

51a, 51b Special Studies. Members of the Department.

52a, 52b *Methods and Materials of Physical Education*. Advanced course offering opportunity for the student to specialize in adapted physical education, the dance, recreation, or sports. Theory, two hours; practice, six hours. Members of the Department.

53a, 53b *Gymnastics and Basic Motor Skills*. Theory, one hour; practice, two hours. *One hour*. Miss Ainsworth, Miss Ryder, Miss Mancini.

54a or b *Elementary Measurement in Physical Education*. Miss Russell.

55a *History and Principles of Physical Education*. Miss Ainsworth.

55b *Organization and Administration of Physical Education*. Miss Ainsworth.

56a, 56b *Directed Practice in the Teaching of Physical Education*. Miss Mancini.

PHYSICAL EDUCATION

57a, 57b *Advanced Measurement in Physical Education.* History and methods of testing. Use of statistics and study of special problems. Miss Russell.

Hygiene 53b *Health Education.* Required of all students for the diploma. Dr Scott.

Hygiene 54a *Advanced Health Education.* Dr Scott.

PHYSICS

PROFESSORS:	GLADYS AMELIA ANSLOW, PH.D., SC.D. (hon.) NORA MAY MOHLER, PH.D., SC.D. (hon.)
ASSOCIATE PROFESSOR:	WILLIAM TAUSSIG SCOTT, PH.D., <i>Chairman</i>
ASSISTANT PROFESSOR:	IRVING L. KOFSKY, PH.D.
LECTURER:	DOROTHY WRINCH, D.SC.
ASSISTANT:	IRENE A. WHITE, DIPLOM-CHEMIKER
RESEARCH FELLOW:	ANNABEL HARVIN, A.B.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Physical Science 193 or 194, Physics 11, 12, or 25b with either 15a or 24a.

Students who enter with a unit of physics may elect either course in Physical Science, Physics 12 or 15a.

Students planning to major in physics should offer three units in mathematics for entrance and if possible take mathematics through calculus before the junior year. Work in chemistry is also strongly advised.

11 *Fundamentals of Physics.* An introduction to the laws and properties of matter, sound, light, heat, and electricity. Lectures and discussion, three hours; laboratory, two hours. Lec. and Dis. M T W 10, 11; Lab. M Th F 2, F 9, 11. Miss Mohler, Mr Scott, Mrs White.

12 *Fundamentals of Physics for Premedical Students.* The lectures are the same as in 11; in the laboratory sections applications of the subject to biological and medical problems are stressed. Lecture and discussion, three hours; laboratory, two periods of two hours each. *Four hours each semester.* Lec. and Dis. M T W 10, 11; Lab. T W 2. Miss Mohler, Mr Scott, Mrs White.

15a *Mechanics, Electricity, and Light.* An intermediate course for students who have presented a unit of physics for entrance or who have passed Physical Science 193; open by permission of the instructor to students who enter with a unit in physical science. Lecture and discussion, three hours; laboratory, two hours. Lec. Th F S 11; Lab. T 2. Mr Kofsky.

PHYSICS

- 24a *Electricity*. Direct current, electrical circuits, and instruments, with an introduction to alternating current devices and to electronics. Prerequisite, 11, 12, or 15a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Miss Mohler, Mr Scott.
- 25b *Wave-Motion, Sound, and Heat*. Lectures and problems on the basic principles of elasticity, wave-motion, sound, thermometry and heat. The laboratory emphasizes precision of measurements and a variety of laboratory techniques. Prerequisite, 11, 12, 15a, or 24a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Mr Kofsky.
- 26b *Musical Acoustics*. An introduction to the study of sound, particularly as it applies to musical instruments and hearing. Lecture and demonstration. One hour. M T 10. Miss Anslow.
- 31a, 31b *Electronics and Atomic Physics Laboratory*. A semester of experiments in electronics leading to some independent work; one hour of lecture. Prerequisites, 24a and Mathematics 12 or 13. This may be followed by a semester of experiments in modern physics and some related fields. Two three-hour laboratory periods. Th F 2. Mr Kofsky.
- [32a *Mechanics*. Statics and dynamics of particles and rigid bodies. Prerequisites, six hours of physics or, by permission of the instructor, 15a, and Mathematics 21 or 22a. Lectures and problems. Miss Anslow.]
- 33a *Atomic Physics*. The structure of the atom and the nature of radiation. Prerequisites, 11, 12, or 15a and 25b; Mathematics 21 or 22a (may be taken at the same time). M T W 9. Miss Anslow.
- 33b *The Nucleus*. An introduction to radioactivity, elementary particles, cosmic rays, and nuclear energy. Prerequisite, 33a. M T W 9. Miss Mohler.
- 36a *Light*. Wave and particle nature, optics, interference, diffraction, polarization. Prerequisite, 11, 12, 15a, or 24a, and Mathematics 12 or 13. Lec. M T 10; Lab. T 2. Miss Anslow.
- 36b *Experimental Spectroscopy*. Spectroscopic methods and instruments. Study of atomic and molecular spectra. Prerequisite, 36a; open by permission of the instructor to students majoring in astronomy or chemistry. Lectures, two hours; laboratory, three hours. Lec. M T 10; Lab. T 2. Miss Anslow.
- 40b *The Relation of Classical and Modern Physics*. Discussion of the development of such general laws as the conservation of energy and the law of gravitation; the relation between Newtonian mechanics and relativity; the wave properties of particles and the particle properties of waves; present attitudes toward theories and models. Discussion and reports. For seniors only. One two-hour period. Miss Mohler with members of the Department.

PHYSICS

- 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in physics. *Two or three hours.*
- 42 *Advanced Electricity and Magnetism.* Static and dynamic electricity, direct and alternating currents, magnetism and electromagnetic fields, and electronic circuits. Lectures and problems. Prerequisites, 24a and Mathematics 21 or 22a. Mr Scott.
- [46b *Thermodynamics.* A discussion of the laws of thermodynamics, entropy, and the behavior of ideal and real gases. Prerequisites, six hours of physics and Mathematics 21 or 22a. Miss Anslow.]
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51a, 51b Special topics in such fields as sound, light, electricity and magnetism, thermodynamics, and kinetic theory. *Two hours or more.*
- 52a, 52b Selected problems assigned for investigation, experimental work, and discussion. *Three hours or more.*
- 53a *Principles of Mathematical Physics.*
- 54a or b *Introduction to Quantum Mechanics.* Mr Scott.
- 55a or b *Seminar in Nuclear Physics.* *Two hours or more.*
- 58a or b *Theoretical Spectroscopy.* The origin of atomic and molecular spectra and their applications to structure problems. Miss Anslow.
- 59a or b *Structure of Large Molecules.* Physics, chemistry, and geometry of biologically active molecules. *One hour or more.* Miss Wrinch.
- Adviser of graduate study: Miss Anslow.

THE MAJOR

Advisers: Miss Mohler, Mr Kofsky.

Based on 11, 12, 15a and 25b, or six hours of Grade II, or, by permission of the Department, on Physical Science 193.

Essential Courses: 40b, at least one semester of 31a, 31b; Mathematics 21 or 22a.

Optional Courses: other courses in physics and mathematics above Grade I and courses in astronomy, chemistry, and geology.

In addition to the essential courses, each student is expected to receive instruction in shop techniques in a two-hour period for one semester.

PHYSICS

HONORS

Director: Mr Scott.

Prerequisites: one year of college physics, Mathematics 12 or 13, *and* six hours of Grade II in physics or Mathematics 21 or 22a. One or two other courses in mathematics, physics, or chemistry, and a reading knowledge of French and German are advised.

Program:

Essential Courses: 33a and b and the honors paper. Mathematics 21 or 22a if not already taken.

Optional Courses: other physics courses above Grade II; advanced courses in other sciences chosen in consultation with the director; a review unit.

Examinations: written examinations covering theoretical and experimental phases of the subject in classical physics, modern physics, and in the field of specialization.

PSYCHOLOGY

PROFESSORS:

WILLIAM SENTMAN TAYLOR, PH.D.

HAROLD EDWARD ISRAEL, PH.D., *Chairman*

ASSOCIATE PROFESSOR:

ELSA MARGAREETA SIIPOLA, PH.D.

ASSISTANT PROFESSOR:

JEAN CARL COHEN, PH.D.

INSTRUCTOR:

RAVENNA WAKEFIELD MATHEWS, PH.D.

ASSISTANT:

JOANNA E. MILLER, B.A.

Unless otherwise indicated, 11a or 12 is prerequisite for every further course.

A student considering a major in the Department is advised to take 11a and b.

Students who plan to enter social work should consult their major advisers regarding desirable courses.

- 11a *Introduction to General Psychology*. A survey with emphasis on fundamental principles of human behavior and personality. Not open to students taking 12. Two lectures and one two-hour demonstration. M T 9, W 9-11; M T 12, W 11-1; M T 2, W 2-4. Miss Siipola (*Director*), Mr Israel, Miss Mathews
- 11b *Introduction to Experimental Psychology*. Application of the experimental method to problems in psychology. Basic experiments in perception, motivation, learning, thinking. Lecture and demonstration, two hours, and one two-hour laboratory period. Open to students who have passed 11a or 12; by permission of the instructor to students taking 12. M T 12, W 11-1; M T 2, W 2-4. Mr Israel, Miss Mathews.
- 12 *General Psychology*. Outline of the field and methods of psychology; basic facts and theories, including such topics as motivation, learning, perception, thinking, and personality. Not open to students taking 11a. M T W 9; Th F S 9, 10. Mr Taylor.

PSYCHOLOGY

- 24a *Child Psychology*. Study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.
- 24b *Psychology of Adolescence*. Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.
- 25b *Introduction to Social Psychology*. Psychological concepts basic to an understanding of man in his social environment, including such topics as socialization, social attitudes, and group behavior. Open to freshmen who have passed 11a. M T W 2. Miss Mathews.
- 31a *Methods in Psychology*. An examination of selected problems in methodology, with particular reference to experimental design and statistical analysis. Mrs Cohen.
- 31b *Experimental Psychology*. A survey of important lines of experimental investigation and major findings. Laboratory work includes illustrative applications of basic techniques and use of standard laboratory equipment. Two two-hour periods. Prerequisite, 11b. Mr Israel.
- 35a *Social Psychology of Attitudes, Opinions, Propaganda*. A study of the formation of social judgments. Prerequisite, 25b or permission of the instructor. Open to qualified sophomores by permission of the instructor. M T W 12. Miss Mathews.
- 36a *Dynamic and Abnormal Psychology*. General psychology of conscious and sub-conscious motivation, everyday problems and mechanisms of adjustment, psychoneuroses, psychoses, and mental hygiene. Two optional visits to near-by hospitals. For students who have passed 11a or 12, and are majoring in psychology, education, sociology, or premedical science, or by permission of the instructor. M T W 3. Mr Taylor.
- 36b *Dynamic and Abnormal Psychology*. A continuation of 36a, which is prerequisite. M T W 3. Mr Taylor.
- 37b *Psychology of Personality*. Study of the psychological organization of the adult personality, with emphasis upon individuality rather than generalized human nature. Basic concepts and theories: experimental and clinical techniques of investigation; development of adult personality-structure. Open to sophomores by permission of the instructor. M T W 10. Miss Siipola.
- 38a *Individual Differences and their Measurement*. Nature of individual differences; theory and principles of their measurement in such areas as mental ability, aptitudes, and other traits. M T W 9.

PSYCHOLOGY

- 38b *Mental Tests in Clinical Practice*. Supervised practice in administering, scoring, and interpreting standard clinical tests. A minimum of fifteen hours of practice outside the laboratory. For students who have passed 38a and have passed or are taking 36a or 37b. M 9 and an additional two-hour period.
- 39b *Industrial Psychology*. Psychology of employers, employees, and consumers in regard to production, distribution, and consumption. An optional visit to a near-by factory. Prerequisites, 11a or 12 and permission of the instructor. M T W 12. Mr Taylor.
- 40a *Theories and Schools of Psychology*. Study of the principal theoretical systems with emphasis on modern schools of behaviorism, gestalt, and psychoanalysis. M T W 10. Mr Israel.
- 40b Synoptic Course. Th 7:30-9:30. Miss Siipola with members of the Department.
- 41a, 41b Special Studies. Problems not specifically dealt with by other courses in psychology, such as research problems in experimental psychology, advanced psychology of language, special problems in child psychology, and mental tests. By permission of the Department for senior majors who have had twelve semester hours above Grade I in psychology. *Two or three hours.*
- 42b *Advanced Theoretical Psychology*. Critical study of current theories and examination of theoretical issues involved in selected problems. Prerequisite, 40a and permission of the instructor. Mr Israel.
- [43b *Comparative Psychology* (seminar). Evolution of behavior, with emphasis on discrimination, motivation, and modifiability. Reports on special problems such as infrahuman social behavior, the experimental neurosis, inheritance of behavior traits.]
- 44b *Child Psychology* (seminar). Selected problems, reports, and discussion. Prerequisite, 24a. Mrs Cohen.
- 45b *Social Psychology* (seminar). Methods, theories, and problems. Reports and discussion. Prerequisite, 25b or permission of the instructor. Miss Mathews.
- 47a *Psychology of Personality* (seminar). Intensive study of projective techniques of investigating personality. Supervised practice with standard techniques. Prerequisite, 37b. Th 11-1. Miss Siipola.
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51a, 51b Advanced Studies. Similar to 41a and b. *One hour or more.*
- [52a, 52b *Seminar in Current Psychological Problems*. Also for senior honors students by permission. *One hour or more.*]

PSYCHOLOGY

56 *Abnormal Psychology*. Students will be required to attend the lectures in 36a and b. Mr Taylor.

Speech 58a *Experimental Phonetics*.

Adviser of graduate study: Mr Israel.

THE MAJOR

Advisers: Members of the Department.

Based on 11b or 12. If the major is based on 12, 11b must be taken in sophomore year or in junior year in addition to the major.

Essential Courses: twenty-one semester hours in psychology, including 40a and 40b.

Optional Courses: other courses in psychology and courses in related subjects.

HONORS

Director: Miss Siipola.

Prerequisite: 11b. Courses in zoology, physics, sociology, and German are useful as background.

Program: 40a and 31a or 31b, twelve hours in other psychology courses, and six devoted to a long paper and review; nine additional hours in psychology or related subjects.

Examinations: one on general experimental and theoretical psychology; one on other fields of psychology; one a more specialized type.

RELIGION & BIBLICAL LITERATURE

PROFESSOR:	VIRGINIA CORWIN, B.D., PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	MARGARET BRACKENBURY CROOK, B.A., DIPLOMA IN ANTHROPOLOGY (OXON.)
ASSISTANT PROFESSORS:	STEPHEN TROWBRIDGE CARY, B.A., B.D. WILLIAM LEE MILLER, B.A., B.D.
INSTRUCTOR:	WILLIAM FRANCIS MAY, A.B., B.D.

The courses in religion which may be taken to fulfill the distribution requirement in Group A are 11, 39; in Group C, 14, 31a and b, 35a and b.

11 *Introduction to the Bible*. The literature of the Bible as expressing the religion of the Hebrew prophets, lawgivers, historians, and poets, and the early Christians.
Th F S 9. Miss Crook, Miss Corwin.

RELIGION & BIBLICAL LITERATURE

- 14 *Introduction to the Study of Religion.* Teachings of contemporary Judaism, Roman Catholicism, and Protestantism. Problems presented by scientific thought, nationalism, and industrialized society. Survey of certain important religious ideas. For freshmen and sophomores only. Lec. Th 10. Rec. (for freshmen) Th F 3, F S 10; (for sophomores) Th F 2, 3; F S 10. Miss Corwin, Mr Miller, Mr May.
- 25b *Greek New Testament.* Prerequisite, Greek 11, or the equivalent. Miss Crook.
- [26a *The Literary History of the Bible.* The earliest scriptural collections through the history of the great translations. Prerequisite, one year of Bible studies in college. M T 4 and one hour to be arranged. Miss Crook.]
- [27a *Social Teachings in the Bible.* Special reference to the Major Prophets and Jesus. Recommended for students who intend to take 37. M T W 11.]
- 27b *Life and Teachings of Paul.* Prerequisite, 11 or 27a. Th 2-4, F 2. Miss Crook.
- [28a *Contemporary Judaism.* Its religious and social background, and its contribution to Christianity and democracy. M T W 3.]
- [29 *Hebrew.* Elementary course with readings from narratives of the Old Testament. M T W 10. Miss Crook.]
- 31a *History of Christian Thought through the Middle Ages.* The early church fathers, Augustine, and medieval scholasticism. M T W 10. Mr May.
- 31b *History of Christian Thought since the Middle Ages.* Classical Protestant thought. Influence of science, philosophy, and historical study: criticism and reconstruction. Developments in Catholic thought. M T W 10. Mr May.
- 32b *Religion in America.* Religious thought, institutions, and movements as they have developed in American life. M T W 2. Mr Miller.
- 34 *Contemporary Religious Thought.* The impact of modern science and philosophy on thought about God and the meaning of human life. Issues in recent Catholic, Protestant, and Jewish theology. M T W 11. Mr Crary.
- 35a *Great Religions.* Religions of India, China, and Japan: their literature, teachings about the world and man, modern resources and problems. Th F S 11. Miss Corwin.
- 35b *Great Religions.* Judaism, Christianity, and Islam: leaders, religious and ethical thought, great literature, and modern resources and problems. Th F S 11. Miss Corwin.

RELIGION & BIBLICAL LITERATURE

- 36a *Problems of the Individual in the Bible*. His rewards and sufferings, his search for mediation between God and man, based on such books as Jeremiah, Job, the Fourth Gospel, Ephesians. Th 2-4, F 2. Miss Crook.
- 37 *American Social Problems*. Modern international and race relationships. An examination of these problems and their significance for the world tomorrow. The contribution of religion to their solution. T 3-5, W 3. Mr Miller.
- 39 *The Prophets and Jesus*. The prophets and other closely related writers of the Old Testament. Jesus, his teachings; ways in which Paul and other New Testament writers interpret him. Th F S 10. Miss Crook.
- 40b *Religion, Its Nature and Functions*. Readings and discussions.
- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in religion. *Two or three hours*.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51a, 51b Advanced Studies. *One hour or more*.
- Adviser of graduate study: Miss Crook.

THE MAJOR

Advisers: Miss Crook, Miss Corwin.

Based on 11 or 14.

Essential Courses: twenty-one semester hours in religion, including 40b, six hours in Biblical studies (three for those who have taken 11), and six hours in religious thought.

Optional Courses: other courses in religion and in related departments.

HONORS

Director: Miss Crook.

Prerequisite: 11 or 14.

Program: in junior year six semester hours in courses or units in Biblical studies and six in religious thought; in senior year one unit for the preparation of the paper and one for review. The greater portion of the work will be in units and courses in the Department, with work in related fields approved by the director.

Units will be conducted by means of regular conferences and special reading, and will usually be planned in conjunction with existing courses.

Examinations: one in a selected field of concentration; one in the general field of the major; one oral.

RELIGION & BIBLICAL LITERATURE

UNITS

- Studies in the Old Testament.* Miss Crook.
Studies in the New Testament. Miss Crook.
History of Christian Thought. Mr May.
Judaism.
The Function of Religion in the Development of Society.
History of Religion. Miss Corwin.
Contemporary Religious Thought. Mr Crary.

RUSSIAN LANGUAGE & LITERATURE

PROFESSOR:	†HELEN MUCHNIC, PH.D.
ASSOCIATE PROFESSOR:	CATHERINE A. PASTUHOVA, PH.D., <i>Chairman</i>
ASSISTANT PROFESSOR:	GEORGE GIBIAN, PH.D.
VISITING LECTURER:	NICOLAI S. VOROBIOV, PH.D.

The courses in Russian which may be taken to fulfill the distribution requirement in Group A are 23, 26, 35a and b.

- 11 *Elementary Course.* Five class hours. *Three hours each semester.* M T W 10, Th 10-12. Mrs Pastuhova and members of the Department.
- 21 *Selections from Russian Prose and Poetry.* Prerequisite, 11 or the equivalent. *Three hours or more each semester.* M T W 3. Mrs Pastuhova. (L)
- 23 *Literature of the Nineteenth Century.* Development of Russian realism. Study of some typical works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy, with discussion of important trends in social and aesthetic ideas which they represent. Conducted in Russian. Prerequisite, 21 or the equivalent. M T W 10. Mr Vorobiov. (L)
- 31 *Advanced Course.* Reading from classical and Soviet literature, with emphasis on roots and structure of the language, based on the history of Russian civilization. Prerequisite, 21 or permission of the instructor. Mrs Pastuhova and members of the Department. (L)

LITERATURE IN TRANSLATION

- 26 *History of Russian Literature.* From the beginnings to 1917. M T W 11. Mr Vorobiov.
- 35a *Pushkin and Gogol.* M T W 12. Mr Vorobiov.
- 35b *Tolstoy and Dostoevsky.* M T W 12. Mr Gibian.

RUSSIAN LANGUAGE & LITERATURE

40b Review Unit.

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Russian. *Two or three hours.*

42a *Russian Literature since the Revolution.* Mr Gibian.

THE MAJORS

Advisers: members of the Department.

A. Russian Major

Based on 21.

Essential Courses: 23, 26, 35a, 35b, 40b, History 317a.

Optional Courses: 31, 42a, Economics 319, Government 31, other courses in related fields.

B. Major in Russian Civilization

Based on 11 and History 11.

Essential Courses: 21, 26, 35a, 35b, 40b, Economics 319 or Government 31, History 317a.

Optional Courses: 42a, further work in Russian language, courses in related fields.

HONORS

Director: Mr Vorobiov.

Prerequisites: 21, 26.

Program: 23, 35a, 35b, 42a, History 317a; at least twelve hours in units and seminars in the Department or in other departments within the field of correlation; a long paper in first semester of senior year to count for three hours.

Examinations: (1) on the whole field of Russian literature; (2) on Russian history; (3) on the field of correlation; (4) on language with translation from Russian into English, from English into Russian, and a brief composition in Russian.

For students who choose honors in Russian Civilization an appropriate course in government or economics will be substituted for Russian 23 and the examination in language will be omitted.

SOCIOLOGY

PROFESSORS:	CHARLES HUNT PAGE, PH.D. NEAL BREAULE DENOOD, PH.D., <i>Chairman</i> MARGARET ALEXANDER MARSH, A.M.
ASSISTANT PROFESSOR:	ELY CHINOH, PH. D.
LECTURER:	FLORENCE ROBERTS DAY, M.SC. (SOC. ADMIN.), Director of the Smith College School for Social Work
INSTRUCTORS:	JAMES LOWELL MCPHERSON, A.B. MICHAEL SEYMOUR OLMSTED, PH.D.

The courses in sociology which may be taken to fulfill the distribution requirement in Group E are Sociology 26, 34a and b, Social Science 192.

Students planning to major or to do honors work in sociology are advised to select from the following: Psychology 11a, 11b, 12, 25b; Economics 21; Government 11, 21; History 11, 13, 323a; Philosophy 11, 22, 24; History and Social Science 293.

Students who plan to enter the field of social work should consult their major advisers regarding desirable courses.

Unless otherwise indicated the prerequisite for Grade III courses is 26 or Social Science 192.

- 26 *Introduction to the Study of Society.* Open to freshmen by permission. Lec. M 10. Rec. T W 10, 11, 12; Th F 10, 11. Mr Page (*Director*).
- 27b *Principles of Sociology.* For students who have passed Social Science 192 and for certain transfer students. M T W 12. Mr McPherson.
- 31a *Urban Sociology.* Theoretical and practical problems of urban society. Optional field trip. Offered in alternate years. M T W 2. Mr McPherson.
- 32a *Social Disorganization.* Theory of social disorganization; delinquency, crime, and related problems. Psychology 11a and b or 12 may be offered as prerequisite. Th F S 9. Mr DeNood.
- 32b *Social Disorganization.* Family disorganization; mental deficiency and pathology; and related problems. Optional field trip. Psychology 11a and b or 12 may be offered as prerequisite. Th F S 9. Mr DeNood.
- 33a *Social Anthropology.* Life and thought of nonliterate peoples; cultural adaptation and change. 34a or b may be offered as prerequisite. M T W 12. Mr Olmsted.
- 34a *Expansion of Western Culture.* Social consequences of contact between Western and non-Western cultures. Problems applied to particular culture areas. No prerequisite. Th F S 10. Mrs Marsh.

SOCIOLOGY

- 34b *Expansion of Western Culture*. Further consideration of the problems of culture contact and with reference to additional culture areas. No prerequisite. Th F S 10. Mrs Marsh.
- 35a *The Modern Family*. Study of the modern family; changing laws and attitudes; shifting and permanent values. For seniors without prerequisite; for juniors with prerequisite as stated above. M T W 11. Mr Page.
- 36b *Leadership and Consensus*. Leadership, group structure and the maintenance of consensus on the informal or primary group level, in bureaucratic organizations, and in larger social aggregates. M T W 2. Mr Olmsted.
- 38b *The Sociology of Social Planning*. An inquiry into the present status of various kinds of social planning. Th F S 11. Mr DeNood.
- [39a *Social Work in the American Community*. Development and theory of modern social services; the basic processes: casework, group work, and community organization. Prerequisite, the introductory course in economics, government, psychology, sociology, or Social Science 192. Alternates with Education 31a. M T W 10. Miss Day.]
- 311a *Class and Caste in American Society*. Major theories and their application to the American scene; examination of current research. M T W 3. Mr Chinoy.
- 312a *European Sociological Theories*. Critical analysis and application of theories of Durkheim, Simmel, Pareto, Weber, Mannheim. Th F S 11. Mr DeNood.
- [313a *The Sociology of Occupations*. Theoretical and practical problems of various types of work and workers (including executives, entrepreneurs, professionals, laborers, white-collar workers, women workers, the aged) in modern society. M T W 2.]
- 40b *Problems of Scope and Method*. Theory and research in American sociology. M T W 11. Mr Page (*Director*).
- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in sociology. *Two or three hours*.
- 43b *Seminar in Social Research*. Theory and logic of inquiry in relation to research techniques: questionnaires, interviews, case studies, participant observation. By permission of the instructor. Mr Chinoy.
- 44a, 44b *Seminar in Social Institutions*. Structure, functions, dynamics, and integration of contemporary institutions. By permission of the instructor. Mr DeNood.

SOCIOLOGY

45a *Seminar in Changing Social Organization.* Theories of social change; structural changes in modern societies; problems of democratic processes. By permission of the instructor. Mr Page.

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology.* Subject for 1954: Africa. By permission of the director.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Special Advanced Studies in such subjects as advanced theory, social organization and disorganization, culture contacts, problems of scientific methodology. *One hour or more.*

Adviser of graduate study: Mr Page.

THE MAJOR

Advisers: Mr Page, Mr DeNood, Mr Chinoy, Mr McPherson, Mr Olmsted.

Based on 26, or on Social Science 192 and Sociology 27b.

Essential Courses: twenty-one semester hours above Grade II in sociology including 312a and 40b.

Optional Courses: other courses in sociology; appropriate courses in allied departments.

Majors may spend the junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

HONORS

Director: Mr DeNood.

Prerequisite: 26 or Social Science 192 and Sociology 27b. Candidates are urged to take introductory courses in two or more of the following departments: economics, government, history, philosophy, psychology.

Program: units, seminars, and courses, including six hours in advanced sociological theory, preferably in junior year; three or six hours for a long paper in first semester of senior year; three hours for directed reading and review in the second semester; and twelve additional hours in sociology.

Examinations: one in theory and two in fields of concentration which may also include sociological theory.

UNITS

The units will count for three or six hours each.

American Sociological Theory. Mr Page.

European Sociological Theory. Mr DeNood.

Expansion of Western Culture. Mrs Marsh.

Social Stratification. Mr Chinoy.

Social Anthropology. Mr Olmsted.

Other units may be offered upon request.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

PROFESSORS:	RUTH LEE KENNEDY, PH.D. †KATHERINE REDING WHITMORE, A.M., D.LIT. (Madrid)
ASSOCIATE PROFESSORS:	MIGUEL ZAPATA Y TORRES, PH.D. HELEN JEANNETTE PEIRCE, A.M., <i>Chairman</i>
ASSISTANT PROFESSORS:	‡JOAQUINA NAVARRO, A.M. MANUEL DURAN, A.M.
INSTRUCTORS:	PHILLIS BURROWS TURNBULL, A.M. MARY CASTAN, A.M.

The course in Spanish which may be taken to fulfill the distribution requirement in Group A is 25.

The following preparation is recommended for students who intend to take the Spanish or Latin American major: courses in classics, either in the original or in translation; courses in other European literatures and history; a reading knowledge of another foreign language

21 *Elementary Portuguese*. Prerequisite, two years of Spanish or permission of the instructor. Th F S 9. Miss Peirce.

22a, 22b *Reading of Modern Portuguese Prose*. Prerequisite, 21. One hour. Miss Peirce.

SPANISH

A. Language

11 *Elementary Course*. M T W 3, Th F S 10. Members of the Department.

11b *Elementary Course* (covering the work of two years). Six hours each semester. M T W Th F S 9, 11. Members of the Department. (L)

12 *Intermediate Course*. Grammar review and reading of modern prose. Prerequisite, two units in Spanish or 11. M T W 9, 10; Th F S 9, 11. Members of the Department. (L)

13 *Reading, Grammar, Composition, and Practice in Oral Spanish*. Prerequisite, three units in Spanish. M T W 9. Members of the Department.

21a *Prose Composition*. Prerequisite, 11b, 12, 13, or 16. W Th F 2.

31b *Advanced Prose Composition*. Prerequisite, 21a. Th F S 10. Mr Zapata.

32a *Teachers' Course*. Review of Spanish grammar. Discussion of methods. Practice teaching. Prerequisite, 21a or 25. Miss Kennedy.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

[33b *Advanced Translation into English.* The material to be translated will be taken from current publications, letters, technical articles.]

B. Conversation

14a, 14b *Conversation.* Two class hours. One hour. M T 2.

C. Literature

The prerequisite for courses of Grade III in this division is 25.

- 16 *A Study of Some Aspects of Spanish Life and Culture.* Reading in Spanish, discussion in English. Prerequisite, three units in Spanish or 12 or 11b. M T W 10; Th F S 10, 11. Members of the Department. (L)
- 25 *Reading of Modern Novels, Plays, and Poetry.* Prerequisite, four units in Spanish, 11b, 12, 13, or 16. M T W 11; Th F S 9, 12. Members of the Department. (L)
- 34a *Masterpieces of Spanish Literature to the Beginning of the Sixteenth Century.* Th F S 10.
- 35b *Literature of the Spanish Renaissance.* Garcilaso de la Vega, Fray Luis de Leon, San Juan de la Cruz.
- 36a *Cervantes: Don Quijote.* M T W 12.
- 36b *Drama of the Seventeenth Century.* Lope de Vega, Tirso de Molina, Calderón. M T W 12.
- 37a *Nineteenth Century: The Romantic Period.* M T W 11.
- 37b *Nineteenth Century: The Modern Novel.* M T W 11.
- 38a *Contemporary Spanish Literature.* M T W 10.
- 310a, 310b *South American Literature.* A study of representative works and authors from the colonial period to the present. Recommended background, History 13 or 325a. M T W 2. Miss Peirce.
- 40b *Correlation of work in the major field.*
- 41, 41a, 41b *Special Studies.* By permission of the Department for senior majors who have had twelve semester hours above Grade I in Spanish. Two or three hours.

D. Graduate Courses

Students who wish to do graduate work in the Department are required to have a knowledge of Latin.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced studies in Spanish literature, arranged in consultation with the adviser of graduate study, on subjects such as poetry of the golden age, Cervantes, Tirso and the Spain of his epoch, nineteenth and twentieth century prose.

52 *History of the Spanish Language.* Mr Zapata.

53a or b *Spanish Bibliography and Literary Methods.* Miss Kennedy.

Adviser of graduate study: Miss Kennedy.

THE MAJORS

Advisers: Miss Peirce for 1954, Mr Zapata for 1955.

A. The Spanish Major

Based on 11b, 12, or 16.

Essential Courses: from Division A, 21a and 31b; from Division C, 40b and nine semester hours above Grade II.

Optional Courses: other Spanish courses above Grade I or courses in related departments.

B. The Latin American Major

Based on 11b, 12, or 16.

Essential Courses: 310a, 310b, 40b; History 325a.

Optional Courses: 31b, any Grade III course from Division C; Portuguese 21, 22a and b; History 420b; Geology 32a; Sociology 34a; any course of Grade III or IV treating some phase of Latin American civilization.

HONORS

Director: Miss Kennedy.

Prerequisites: 11b or the equivalent; 25 and, if possible, 21a and 31b.

Program:

Minimum requirement: one unit in language in first semester of junior and senior years; a paper and review in senior year.

Optional courses or units to be selected in consultation with the director.

Examinations:

1. In Spanish: to test ability to use the language.
2. In English: (a) on the whole field; (b) on a special field; (c) on a great writer *not* of the special field.

SPEECH

ASSISTANT PROFESSOR:

CHARLOTTE H. FITCH, A.M., *Chairman*

VISITING LECTURER:

CLARENCE V. HUDGINS, PH.D.

- 11a *General Course*. The basic principles of effective oral communication. Practical training in improving voice quality and articulation. Individual conferences. Voice recordings. M T W 10, 12; Th F S 10, 11. Members of the Department.
- 11b Repetition of 11a. M T W 10, Th F S 11.
- 12a *Reading and Speaking*. Application of basic principles to various forms and purposes of oral communication: oral interpretation of prose and poetry, public speaking, drama, and radio. Prerequisite, 11a or b. M T W 9. Members of the Department.
- 12b Repetition of 12a. M T W 10, 12; Th F S 10, 11.
- 14 *Fundamental Course: Drama*. For students whose main interest is in the field of drama. M T W 10, Th F S 11. Miss Fitch.
- 22a, 22b *Voice Training*. A laboratory course adapted to individual needs. Two class hours. *One hour*. T W 3, Th F 12. Special sections will be arranged for radio and theatre. Members of the Department.
- [23b *Public Speaking*. Organization and delivery of various types of speeches for formal and informal occasions. Prerequisite, 11a, 11b, or 14.]
- 24 *Presentation of Dramatic Material*. Principles of stage action, pantomime, and style and manner of delivery, through acting and directing scenes from plays of various types and periods. Prerequisite, 12a or b, or 14. M T W 12. Miss Fitch.
- 25a *Play Reading*. Individual and group practice in the interpretation of lines and scenes from the main periods of dramatic literature. Prerequisite, 12a or b, or 14. M T W 11.
- [28 *Phonetics for Foreign Students*. Formation of English speech sounds, their distribution in connected speech, stress, intonation, and rhythm. Two class hours. *One hour each semester*.]
- 31 *Radio*. Preparation and production of radio programs: plays, interviews, talks, and news reporting. Four class hours, M Th 4-6.
- [33a *Discussion*. Practice in the various forms of modern group discussion. Attention given to individual voice and speech problems.]

SPEECH

- 35b *Play Reading*. Analysis of character, structure, rhythm, and mood of plays from modern drama, including Ibsen, Shaw, and O'Neill. Prerequisite, 14, 24, or 25a. M T W 11.
- 36a, 36b *Oral Interpretation of Literature*. Study of various types of literature for oral presentation, with emphasis on poetry, narrative prose, and poetic drama. Th F 11 and a practice hour to be arranged. Open to sophomores who have had 12a or b.
- 38b *Oral Interpretation of Children's Literature*. Selection and evaluation of material suitable for story telling, poetry reading, choral speaking, and dramatization. Th F 12 and a practice hour to be arranged.
- [44a, 44b *Acting*. Laboratory presentation of directed scenes from contemporary drama for practice in the analysis and creation of characters. Four class hours.]
- [48a *Speech for the Classroom Teacher*. The fundamental processes of oral communication as applied to the speech of the teacher and to the more common types of speech problems found in the classroom. Two class hours and one period for practice and observation. Th F 10.]
- [48b *Teachers' Course*. General review, with special reference to the pedagogy of voice and speech. Observation and directed practice teaching. By permission of the instructor for seniors who have had twelve semester hours above Grade I in speech or theatre.]
- 58a *Experimental Phonetics*. The methods and subject matter of experimental phonetics and its application in speech teaching and speech correction, with special reference to the speech of the deaf. Prerequisites, a fundamental course in speech and Physics 11 or Psychology 11a, or permission of the instructor. Mr Hudgins.

THEATRE

ASSOCIATE PROFESSORS:	DENTON M. SNYDER, M.A., <i>Chairman</i> EDITH BURNETT, B.S. (Dance) FRANK DAY TUTTLE, M.F.A.
ASSISTANT PROFESSOR:	GEORGE BRENDAN DOWELL, A.M.
INSTRUCTOR:	THEODORE KAZANOFF, A.M.
TEACHING FELLOWS:	EUGENE JONES, B.F.A. ROBERT M. BOLAND, B.A. JAMES E. JEWELL, A.B. EMMA JO MCCONNELL, A.B.

The course in theatre which may be taken to fulfill the distribution requirement in Group B is 11.

- 11 *Introduction to Theatre.* The place of the theatre in the life of man and in the art and society of his time. Analysis of basic elements of theatre ancient and modern: play, direction, acting, design, audience. Lectures, discussions, and demonstrations. Lec. M T 11. Rec. W 11, 12; Th 12, 2. Mr Tuttle.
- 12 *Fundamentals of Movement for Acting and Dance.* One hour each semester. Lec. W 10 or 2; one supervised practice hour to be arranged. Miss Burnett.
- 22 *Survey of Dance.* Technique, history, eurythmics, and composition. By permission of the instructor. Lec. T 9; four supervised practice hours from M 9, 2-4, W 9, Th 3-5, F 11-1. Miss Burnett.
- 31 *Play Production.* Study, laboratory, and rehearsal work necessary for presentation of several productions a year, illustrating coordination of writing, acting, design, and stagecraft, accompanied by classwork in these fields. For juniors taking the major; for others by permission of the Department. *Six hours each semester.* M T W 2-4. Mr Snyder, Mr Dowell, Mr Kazanoff.
- 32a, 32b *Choreography.* Advanced course designed to emphasize individual and group creative expression through the medium of modern dance. Technique, original composition, and production. Prerequisite for 32a, 22; for 32b, 32a. Six studio hours. M T W 11 and three to be arranged. Miss Burnett.
- 35a, 35b *Theory and Practice in Special Forms of Dramatic Composition.* Includes the living newspaper and the chronicle history. Mr Dowell.
- 40b Synoptic course designed to help each student unify the work in her major field. Mr Dowell and members of the Department.

THEATRE

- 41, 41a, 41b *Special Studies*. Acting, directing, lighting, design, research. By permission of the Department for senior majors who have had twelve semester hours above Grade I in theatre. *Two or three hours*. W 2-4 or by special arrangement. Members of the Department.
- 42a, 42b *Advanced Radio*. Study and practice in the preparation and production of radio scripts. *Three hours*. Mr Tuttle.
- 43 *Advanced Play Production*. A course in which students will continue their studies in theatre, and will work in an apprentice relationship in staging the Department's season of plays. For theatre majors. Prerequisite, 31. T 2-4. Mr Snyder and members of the Department.
- 50 *Research and Thesis*. *Three or six hours*. Members of the Department.
- 51, 51a, 51b *Advanced studies arranged in consultation with the Department*. *One hour or more*.
- 52 *Rehearsal and Production*. Theory and practice on Department productions; advanced work in direction, acting, lighting, and stage design. *Three or six hours each semester*. Members of the Department.

INTERDEPARTMENTAL MAJOR

Adviser: Mr Snyder.

Based on 11.

Essential Courses: 31, 40b, and 43; Speech 14; Theatre 12. It is advisable for students to have met the speech and dance requirements by the end of sophomore year.

In addition at least six hours from the following: Theatre 35a, 35b, 42a, 42b; English 312, 345a, 345b; Speech 24, 25a, 35b, 44a, 44b, 48a, 48b; or courses in other departments approved by the Department of Theatre. Laboratory work in speech and movement may be required.

HONORS

Director: Mr Snyder or a designated member of the Department.

Prerequisites: see the requirements for entrance to the major.

Program: the requirements will consist of (1) junior year, 31; senior, 43. Students may combine this basic work with courses totaling at least fifteen hours in art, English, languages, music, speech, theatre, or any other field approved by the director. (2) An independent piece of work counting for six hours which may take the form of a thesis in the literature, art, or history of the theatre; an original play; creative work in design, acting, direction, or stagecraft.

Examinations: two written and one oral along the following lines: historical, theoretical and literary, technical.

ZOOLOGY

PROFESSORS:	MYRA MELISSA SAMPSON, PH.D. ERNEST CHARLES DRIVER, PH.D. LOIS EVELYN TE WINKEL, PH.D., <i>Chairman</i> †ESTHER CARPENTER, PH.D.
ASSOCIATE PROFESSOR:	ELIZABETH SANDERS HOBBS, D.SC.
ASSISTANT PROFESSOR:	B. ELIZABETH HORNER, PH.D.
VISITING LECTURER:	EUNICE CHACE GREENE, A.M.
INSTRUCTOR:	GEORGE WARREN DE VILLAFRANCA, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Zoology 11, 12, Biological Science 195.

Students planning to major in zoology are advised to take 11 in freshman year and general botany or chemistry before the junior year. Botany, chemistry, physics, and French or German are required by many graduate schools. See also preparation required for honors work.

- 11 *General Zoology*. Introduction to the study of animals, including the fundamental principles of biology and a comprehensive survey of the animal kingdom. Laboratory work consists of dissection, experiments, and practice in the use of the microscope. Two lectures and two two-hour laboratory periods. Lec. Th F 2. Lab. M T 9, 11, 2; Th F 9, 11. Miss Carpenter, Mrs Hobbs, Miss Horner.
- 12 *The Anatomy and Physiology of Man and Other Mammals*. A study of the structure and functions of systems for support, motion, nutrition, reproduction, control, and integration. Two lectures and two two-hour laboratory periods. Lec. Th F 11. Lab. M T 9, 11, 2, 4; Th F 9, 2. Miss Sampson, Miss Te Winkel, Mrs Greene, Mr de Villafranca.
- 22 *Comparative Anatomy of Vertebrates*. Comparison and probable evolution of structures in a series of chordates from amphioxus to mammal. Prerequisite, 11, 12, or Biological Science 195; open to geology majors by permission of the instructor. Two lectures and two two-hour laboratory periods. Lec. M T 11; Lab. M T 2, Th F 9. Miss Horner.
- [31a *Nutrition*. Human nutrition and its relation to the composition, supply, selection, preparation, and cost of food. By permission of the instructor. Lectures and demonstrations. Th F 9-11. Miss Sampson.]
- 32 *General Physiology*. Experimental study of animal functions, their interrelations and their regulation. For students who have passed 12 or have passed or are taking 22, and Chemistry 11 or the equivalent. Two lectures and two two-hour laboratory periods. Lec. W 9, 10; Lab. M T 9, 2. Miss Sampson.

- 33 *General Embryology*. Development of animals, with particular reference to vertebrates. For students who have passed 12 or have passed or are taking 22. Two lectures and four hours of laboratory. Lec. Th F 2; Lab. Th F 3-5. Miss Te Winkel.
- [34a *Entomology*. Introductory study of insects, with field trips. Prerequisite, 11. Th F 11-1 and two hours of independent work.]
- 36b *Genetics*. Principles of heredity, with economic and eugenic applications. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195 and, for sophomores, permission of the instructor. Open to students majoring in sociology or education by permission of the instructor. Two lectures, one two-hour laboratory period, and two hours of independent work. Lec. Th F 10; Lab. W 2. Mr Driver.
- [37 *Histology*. A study of animal tissues including their origin, differentiation, functions, changes with environment and with age, and their arrangement in organs. The laboratory work will include methods of preparation of material for microscopic examination. Prerequisite, 11 or 12. Lec. or Dem. Th F 9; Lab. Th F 11-1. Miss Carpenter.]
- 38 *Animal Taxonomy and Ecology*. Field and laboratory work on animal identification and habits. Lectures on early American naturalists, methods of nature study, and wild-life conservation. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195. Two lectures and four hours of laboratory or field work. Lec. M T 2; Lab. M T 3-5. Mr Driver.
- 311a *Protozoology*. Free-living and parasitic protozoa and their relationships to other animals including man. Prerequisite, 11, 12, or Biological Science 195. Th F 11-1 and two hours of independent work. Mrs Hobbs.
- 40b Review Unit. Mr Driver (*Director*).
- 41, 41a, 41b *Special Studies*. Problems not dealt with in other courses in the Department. By permission of the Department for senior majors who have had twelve semester hours above Grade I in zoology. *Two or three hours*.
- 42b *Advanced Physiology*. Properties and functions of products synthesized by living organisms, including enzymes, hormones, vitamins, and other specific substances. Prerequisites, 32 and Chemistry 31. One lecture and five hours of laboratory. Lec. F 2; Lab. Th 2-5 F 3-5. Mr de Villafranca.
- 43a *Development of Zoological Concepts*. Study of man's continuous effort to analyze and reduce to system the knowledge of living organisms and to interpret the phenomenon of life, with special attention to the development of the concept of species and theories of evolution. Open, by permission of the instructor, to students not majoring in zoology. Lec. W 2 Th F 10. Mr Driver.

ZOOLOGY

Research Courses

In these courses the work is individual and involves, in addition to the laboratory work upon which it is based, extensive reading and conferences with the instructor at stated intervals. A reading knowledge of French and German is desirable. *Two hours or more each semester.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies. *One hour or more.*

52a, 52b *Embryology*. Prerequisite, 33. Miss Te Winkel.

53, 53a, 53b *Anatomy* (prerequisite, 22) or *Ecology* (prerequisite, 38). Mr Driver, Miss Horner.

54 *Recent Advances in Zoology* (seminar). Reading and individual reports. *One hour each semester.*

[56, 56a, 56b *Entomology*. Prerequisite, 34a.]

57, 57a, 57b *Physiology*. Prerequisite, 32. Miss Sampson, Mr de Villafranca.

[58a, 58b *Histology and Cytology* (prerequisite, 37); 58 *Tissue Culture* (prerequisites, 37 and Bacteriology 22.) Miss Carpenter.]

59 *Genetics*. Prerequisite, 36b. Mr Driver.

NOTE—See also Botany S53, 54a and b, 55.

510, 510a, 510b *Protozoology*. Prerequisite, 311a. Mrs Hobbs.

Adviser of graduate study: Miss Sampson.

THE MAJOR

Advisers: Miss Sampson, Mr Driver, Miss Te Winkel, Miss Carpenter.

Based on 11, 12, or Biological Science 195. If based on 12 or 195, 11 must be taken later.

Essential courses: 22, 40b, and twelve semester hours in zoology above Grade II.

Optional courses: other courses in zoology; related courses in the sciences, or other subjects by permission of the adviser.

HONORS

Director: Miss Carpenter.

Prerequisites: 11 and 22; Chemistry 11 or its equivalent. Normally these courses should be taken before junior year.

Program:

Requirements: 32, 33, 43a, and three additional hours in zoology; three hours on a problem or paper; three hours of directed reading and review.

Optional courses approved by the director.

Examinations: two will cover the general field, the third may be of a specialized character.

INTERDEPARTMENTAL MAJORS

AMERICAN STUDIES

Adviser to the major: Mr Aaron.

This major aims to bring into a single focus certain courses which explore the history of thought and expression in the United States.

Based on History 11 (or another college course in European History approved by the adviser), History and Social Science 293, and English 212.

Essential courses:

Six hours chosen from History 319a and b, 320a, 321a, 321b, 322a, 322b, 323a, 324a, 413a, 415b.

Twelve hours from English 321a, 321b, 417b, Art 313a, 313b, Government 38a, Religion 32b, Education 36b, Philosophy 310a, or, with the approval of the adviser, relevant courses in government, economics, sociology.

Six hours:

American Studies 31a. Contributions of particular fields to the study of American civilization as a whole. For juniors majoring in American Studies. Mr Davies, Mr Sheehan, *Directors*.

American Studies 40b. *Integrating Course*. Mr Aaron.

It is recommended that students also elect courses dealing with European civilization.

HONORS

Director: Mr Aaron.

Students eligible for honors work in American Studies must fulfill the same general requirements as the regular majors. Their programs must include at least one unit or seminar in their junior and their senior years, the writing of a long paper, and comprehensive examinations.

GENERAL LITERATURE

Adviser to the major: Mr Gibian.

This major allows the student to concentrate in the literature of two languages: English and one foreign language, or two foreign languages. Students who plan to elect this major and have entered with less than three units of Latin or Greek or a combination of the two will be required to take Latin 12a, Greek 11, 12a, or six hours of the classics in translation. Whenever possible, they should begin to plan the major in the spring of freshman year, and they will not be allowed to enter it later than the fall of junior year.

INTERDEPARTMENTAL MAJORS

Based on two of the following: General Literature 291, Greek 12a and 12b or Latin 14a and 14b, English 21, French 26, German 26, Italian 26, Spanish 25, Russian 21. (When General Literature 291 is used as a basis, English 21 must be taken in addition to the major in the junior year.)

Essential Courses: twelve semester hours in literature courses in each of the two departments of concentration (eighteen of these twenty-four hours must be above Grade II); six semester hours of a third literature either in the original or in translation; General Literature 40b (Review unit).

The student is expected to attain (1) a knowledge of the development of two modern literatures in each of two comparable periods, or (if one of her choices is Greek or Latin) a knowledge of the influence of a major figure or genre on a modern literature and (2) a special understanding of at least one major figure in each of the principal literatures chosen.

Optional Courses: supplementary literature courses in other periods and relevant courses in other fields.

SCIENCE

The interdepartmental majors in science are designed as preparation for (1) professional schools such as medicine, public health, or nursing; (2) graduate study in those fields which involve a thorough knowledge of more than one science, *e.g.* biochemistry, biophysics, or bacteriology; (3) laboratory work. Because it is advantageous to have basic training in chemistry, physics, zoology, and mathematics, it is urged that the student see the advisers of these majors as early as possible in freshman year.

Students planning to enter schools of nursing may consult Miss Sampson for information concerning entrance requirements for these schools.

BACTERIOLOGY

Adviser to the major: Miss Smith.

Essential Courses: Chemistry 11, 21, 31; Bacteriology 22, 34, 40b; Zoology 12 or 22

Optional Courses: courses in chemistry, bacteriology, physics, zoology, or mathematics approved by the adviser.

HONORS

Director: Miss Smith.

Prerequisites, normally taken before junior year: Bacteriology 22; Chemistry 21; Zoology 12 or 22.

INTERDEPARTMENTAL MAJORS

Program:

Requirements: Bacteriology, 34, 43a; Chemistry 31; three hours throughout senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, zoology, bacteriology, physics, or mathematics approved by the director.

Examinations: one in chemistry, one in bacteriology, one selected according to the student's program.

PHYSIOLOGICAL CHEMISTRY

Adviser to the major: Miss Burt.

Essential Courses: Bacteriology 22; Chemistry 11, 21, 31, 42a; Zoology 12 or 22, 32; Chemistry 42b or Zoology 42b.

(Chemistry 42a and Chemistry or Zoology 42b will serve as the integrating course in this major.)

Optional Courses: other courses in chemistry, bacteriology, zoology, physics, mathematics, or Botany 35 with the approval of the adviser.

HONORS

Director: Miss Burt.

Prerequisites, normally taken before junior year: Chemistry 21; Mathematics 12 or 13; Zoology 12.

Program:

Requirements: Bacteriology 22; Chemistry 31, 42a; Physics 11 or 12; Zoology 32, Chemistry or Zoology 42b; three hours throughout senior year on a problem, paper, reading, and review.

Optional Courses: courses in chemistry, physics, bacteriology, zoology, mathematics, or other related fields by permission of the director.

Examinations: one in chemistry, one in physiology, one selected according to the student's program.

PREMEDICAL SCIENCE

Adviser to the major: Mrs Hobbs.

The courses listed represent the minimum requirement for entrance to most medical schools, but as these differ from one another it is advisable for students to decide in the spring of freshman year which school they plan to enter and include any additional courses necessary. Thirty hours in the major are required in the three upper years of which twenty-one must be above Grade II.

40b Directed reading in the history of medicine from the standpoint of concurrent developments in chemistry, physics, and zoology.

INTERDEPARTMENTAL MAJORS

Essential Courses: Chemistry 11, 21, 31; Physics 11 or 12; Zoology 11 or Biological Science 195, Zoology 22; Premedical Science 40b; a college course or its equivalent in German, French, or Spanish.

Optional Courses: other courses in chemistry, physics, mathematics, or zoology. Sociology 32a, 32b, or Psychology 36a and b may be substituted with the permission of the adviser.

Students may also prepare for medical schools by majoring in any department, if they include in their schedules the courses suggested above as the minimum requirement. They may consult the adviser of this major about their choice of courses.

HONORS

Director: Mrs Hobbs.

Prerequisites, normally taken before junior year: Chemistry 21; Physics 11 or 12; Zoology 11 or Biological Science 195; a college course or its equivalent in German, French, or Spanish.

Program:

Requirements: Chemistry 31; Mathematics 12 or 13; Zoology 22; three hours throughout senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, physics, zoology, mathematics, or bacteriology. Sociology 32a, 32b, or Psychology 36a and b may be substituted with the permission of the director.

Examinations: one in chemistry, one in zoology, one selected according to the student's program.

THEATRE

The Interdepartmental Major may be found in the offering of the Theatre Department.

Graduate Study

Smith College offers to graduate women programs leading to the degrees of Master of Arts, Master of Education, Master of Science in Physical Education, and Doctor of Philosophy. For foreign students programs for a Certificate of Graduate Studies are available. Ordinarily about one hundred women students are registered for advanced instruction, which is available in practically all departments of the College, and in the interdepartmental fields of bacteriology and genetics.

To be admitted as a candidate for a degree an applicant must have received her baccalaureate degree from a college or university of recognized standing, have fulfilled the prerequisite requirements for the field in which the degree is to be received, and show promise of ability satisfactorily to pursue advanced study and research. If the general and major requirements for the Bachelor's degree at the undergraduate institution are considered by the Committee on Graduate Study to be less than those required at Smith College, the student must make up the deficiencies in her undergraduate training before she is accepted as a candidate for an advanced degree.

Graduate courses are open to men as well as to women students. Graduates of any college of approved standing may receive instruction without reference to the attainment of an advanced degree.

The requirements for the degrees of Master of Arts and Master of Education may be fulfilled in one year by well-prepared full-time students; for the Master of Science in Physical Education, in two years (in one year by specially qualified students). The degree of Doctor of Philosophy is offered in a limited number of departments, and requires at least three years of advanced studies including one year at another institution.

FELLOWSHIPS & SCHOLARSHIPS

The College offers several fellowships and scholarships which are open to graduates of Smith College and to women graduates of other colleges of good standing. Special scholarships are available for study in education and in physical education. Other fellowships are offered to students from foreign countries.

The science departments, and the departments of music, theatre, history and the social sciences offer teaching fellowships and graduate assistantships for part-time graduate study combined with departmental assistance.

INFORMATION

Full information concerning the requirements for the various advanced degrees, admission, residence fees and fellowships is given in the *Bulletin of Graduate Studies*. This bulletin, an application blank for admission, and other information may be obtained from the Secretary to the Committee on Graduate Study.

General Information

THE COLLEGE COMMUNITY

RESIDENCE

Community life and interests are an integral part of the education offered by Smith College. A large number of student organizations—of a civic, cultural, athletic, religious, political, social, pre-professional, or service nature—have the lively support of interested members of the student body to whom they give valuable experience. For some of these activities, such as the largely autonomous student government, various campus publications, and the college radio station, the students themselves are almost wholly responsible; for others, such as the formal musical activities, faculty direction is provided.

Life on the campus is also enriched by an extensive program of lectures and concerts which bring to the College distinguished speakers and musicians from this country and abroad. Additional lectures, concerts, recitals, plays, and debates by both the faculty and the students make for a full and varied calendar.

In support of these and other aspects of community life, the College emphasizes the importance of residence. Freshmen, sophomores, and juniors (in their first semester) are allowed only a limited number of nights away from the campus in each semester. After the middle of the junior year, the student herself assumes the responsibility for upholding the principle of residence. Within this framework, it has been possible for the faculty to grant to all students except freshmen and those whose standing is below diploma grade the responsibility for their own class attendance on all except the opening and closing days of a session. To those students whose homes can not be reached with thirty-six hours of travel time from Northampton, special permissions may be given to extend the winter or spring recess.

Further details concerning the college community are given in *Smith College: a Handbook of Information*. Faculty and student legislation relating to residence and attendance is printed in full in *Smith College: Rules and Regulations*.

THE HOUSES

The basic unit of the campus community is the college house which normally accommodates fifty to seventy students representing all four classes. Assignments to houses are made in the order of dates of application for admission to college, except when students are admitted from a waiting list. A student may move from one house to another once during her college course, the order of assignment after the freshman year being determined by lot.

GENERAL INFORMATION

Except for a few smaller houses which are grouped together to make a single unit, each college house has its own living rooms, dining room, and kitchen, and is in the charge of a Head of House who devotes full time to the administration of the house and the welfare of its members. In most of the houses there is also a resident member of the faculty. Social regulations governing life in the houses are administered by the Student Government Association. Because of high operating costs, every student is asked to contribute up to four hours a week of light service to the house in addition to taking care of her own room.

RELIGIOUS LIFE

The College provides ample opportunity for the development and expression of religious faith of all creeds. Worship services are held in the morning from Monday through Friday in the Little Chapel, and College Vespers on Sunday bring outstanding clergymen to the campus. The Smith College Religious Association, of which every student is a member, includes a Christian Association for Protestants, a Newman Club for Roman Catholics, and a Hillel Club for Jewish students, and offers cooperative programs of education and community service. There is a Religious Center in which these campus groups hold their meetings and a full-time chaplain who is available for counseling and who directs the religious activities. The Northampton churches welcome students at their services. Thus it is possible for students of each faith to strengthen their own convictions and to gain an understanding and appreciation of other traditions.

HEALTH

The Health Service is directed by the College Physician assisted by a medical staff of four resident physicians. The Doctors' Office and the Elizabeth Mason Infirmary provide medical care and facilities for treating normal illness. For unusual or serious illness, the services of specialists in Northampton and Springfield are available. The Health Service also emphasizes preventive medicine by exercising supervision over the health of the dormitory staffs and working closely with the College Dietitian.

The College has arranged to cooperate with a reputable insurance company in offering a voluntary insurance plan which protects the student over a twelve-month period, whether in residence at college or not. Students are strongly urged to take out this insurance which gives unusual protection in addition to that which the College offers without charge.

In the interests of individual and community health, every student is expected to comply with the health regulations which are printed in *Rules and Regulations*.

VOCATIONAL COUNSELING AND PLACEMENT

The Director and the Associate Director of the Vocational Office assist students of all four classes in selecting their future occupations and in relating their courses

GENERAL INFORMATION

to these occupations. The Vocational Office serves as a placement bureau for both alumnae and seniors who are seeking permanent positions, and for underclassmen who wish placements for the summer. The office provides information concerning specialized and professional training, arranges lectures and discussions on various vocations, and schedules interviews with employers who visit the campus.

Letters of recommendation for seniors and alumnae are filed with the Vocational Office and will be sent upon request to prospective employers and scholarship committees.

BUILDINGS AND GROUNDS

COLLEGE HALL, dedicated in 1875 at President Seelye's inauguration, is the main administrative building of the college.

JOHN M. GREENE HALL, given by John D. Rockefeller and other donors, is a large auditorium seating 2,066 with additional seating space on the stage. Besides a fine four-manual organ which was presented by the Class of 1900 as a memorial to Cornelia Gould Murphy, there are two accessory two-manual organs.

SEELYE HALL, given by friends of President Seelye, contains classrooms for over fifteen hundred students, the laboratories of the Department of Geology and Geography, and department offices.

HATFIELD HALL, formerly Hatfield House, became an academic building in 1926, providing needed seminars and classrooms.

THE WILLIAM ALLAN NEILSON LIBRARY, the gift of Andrew Carnegie, alumnae, and students, contains a large reference room, general reading and study rooms, department seminar rooms, a Rare Book Room, and a room for the college archives. The Browsing Room, furnished as a private library, offers opportunity for leisure-hour reading. A wing was built in 1937 to provide more stacks, and to make possible additional seminar rooms, carrels for students, and offices for staff and faculty. The Little Chapel occupies the outer end of this wing.

The Smith College Library contains 381,390 volumes, this number including those books and pamphlets housed for greater convenience in the libraries of the art, music, and science buildings. The open-shelf system permits free access to all books.

THE HILLYER GALLERY, named for Winthrop Hillyer whose gift and bequest made this first art gallery possible, is equipped with studios and exhibition rooms, a library of art in memory of Drayton Hillyer, and a collection of approximately thirty-three thousand photographs, and forty-five thousand slides. Graham Hall, a lecture hall seating 265, was added through the generosity of Christine Graham Long of the Class of 1910.

When the TRYON GALLERY was presented to the College by Mr and Mrs Dwight W. Tryon to house the Smith College Museum of Art, most of the paintings, prints, and other works of art were transferred to it from the Hillyer Gallery. The museum also contains galleries for loan exhibitions, which are arranged under the auspices of the Museum to supplement the permanent collections.

GENERAL INFORMATION

Named in honor of Mrs Russell Sage, SAGE HALL is the music building, containing classrooms, offices, practice rooms, a library, and a collection of about fifteen thousand records. It also has an auditorium seating 743 and equipped with a Hammond organ and apparatus for motion pictures.

THE STUDENTS' BUILDING, designed in 1903 to be the center of the social life of the students, is now the home of the Smith College Theatre. Classrooms and offices of the Departments of Speech and of Theatre, and the headquarters of a few student organizations are also located in this building.

PIERCE HALL, until 1924 the music building, was then named in honor of Professor Arthur Henry Pierce and is devoted mainly to the Department of Psychology.

LILLY HALL OF SCIENCE contains the lecture rooms, laboratories, and library of the Department of Physics. It was the gift of Alfred Theodore Lilly.

THE OBSERVATORY was given by President Seelye and Mr A. Lyman Williston in honor of Henrietta Chapin Seelye and Sarah Tappan Williston. The instruments include equatorial telescopes, a Ross camera, and other apparatus for teaching purposes.

STODDARD HALL, the chemistry building, named in honor of Professor John Tappan Stoddard, was built in 1898 and enlarged by an addition in 1918. It contains a lecture room, library, laboratories, classrooms, offices, and modern research equipment.

BURTON HALL, a building of modern construction provided with the best equipment for the study of the biological sciences, was named for President Burton and was opened for use in September, 1914.

THE LYMAN PLANT HOUSE, the gift of Edward Hutchinson Robbins Lyman in memory of his mother Anne Jean Lyman, comprises nine greenhouses illustrating the vegetation of different climates, together with physiological and horticultural laboratories. Adjoining is the BOTANIC GARDEN designed for horticultural study, with sections to illustrate plant classification and habits. Arranged about the college grounds are smaller gardens and numerous varieties of native and imported trees and shrubs.

THE ALUMNAE GYMNASIUM, given by the alumnae and their friends in 1891, contains a large floor for basketball, badminton, and tennis backboard, as well as two bowling alleys and four squash courts.

THE SCOTT GYMNASIUM was named in honor of Col. Walter Scott. It contains a large floor used for volleyball, basketball, and fencing, a room for dance, two smaller gymnasiums for group gymnastics, a graduate student classroom and library, a swimming pool 75 feet by 23 feet, an undergraduate lounge, and department offices.

GILL HALL is used by the Department of Education and Child Study for the Smith College Day School. In addition to the classrooms there is an assembly hall seating 170. Adjoining is a large playground.

THE ELISABETH MORROW MORGAN NURSERY SCHOOL, acquired through the bequest of Mrs Morgan of the Class of 1925, occupies a site adjoining the Smith College Day School.

GENERAL INFORMATION

The clinical offices of the Health Service are located in GATEWAY HOUSE.

THE ELIZABETH MASON INFIRMARY was opened in 1919. Its name commemorates Elizabeth Mason Howland, a graduate of the Class of 1904 and a daughter of Frank H. Mason whose gift completed the fund raised by the Alumnae Association. The Florence Gilman Pavilion, added while Smith was host to the Naval Officers' Training School, was enlarged and completed in 1950-51. The result is an attractive, well-equipped, fireproof Infirmary with a normal capacity of sixty patients which could be increased in emergencies to nearly twice that number.

THE ALUMNAE HOUSE, presented to the College by the Alumnae Association in 1938, contains offices for the Association staff, rooms for the use of the alumnae and the college, including a conference room seating 300.

DAVIS STUDENT CENTER, a newly converted recreation building for student use, contains a food shop, lounge, ballroom, and committee rooms for student organizations. It was named by the students in honor of President Davis.

THE RECREATION FIELDS, over thirty acres in extent, including the Allen Field, the gift of Frank Gates Allen, and the New Athletic Field, afford opportunities for such sports as hockey, soccer, baseball, lacrosse, tennis, archery, volleyball, practice golf. A short distance away are the Riding Stables. The Field House was built on the new Athletic Field in the summer of 1939 with funds given by the classes of 1938 and 1939, the undergraduates, the Athletic Association, and the Trustees. Besides storage space for athletic equipment and skates and skis, it contains a lounge, a kitchenette, a small meeting room, and dressing rooms. The Boathouse on Paradise Pond has accommodations for canoes, rowboats, and rowing machines. In the Crew House are eight rowing shells and a large recreation room.

THE RELIGIOUS CENTER was made available in the fall of 1952. It contains a comfortable living room and smaller rooms in which the religious groups on campus hold their meetings. The Chaplain's office is in this building.

THE COLLEGE HOUSES

The thirty-five dormitory units provide living accommodations for approximately twenty-one hundred students.

The Old Campus: Chapin, Dewey (together with Clark, a small house adjacent to it), Haven (together with Wesley), the Hopkins group (three contingent houses), Hubbard, Lawrence (cooperative), Morris, Park and Park Annex, Tenney (cooperative, for upperclassmen), Tyler, Wallace, Washburn (the Spanish House).

The Campus Northeast of Elm Street: Albright (cooperative), Baldwin, Capen and Capen Annex, Dawes (the French House, for upperclassmen), German (primarily for upperclassmen), Gillett, the Henshaw group (four contingent houses), Northrop, Parsons and Parsons Annex, Sessions, Talbot.

The Quadrangle Houses: Comstock, Cushing, Ellen Emerson, Franklin King, Gardiner, Jordan, Laura Scales, Martha Wilson, Morrow, Wilder.

The Graduate Houses: Fort Hill, Graduate (30 Belmont).

EXPENSES

TUITION AND RESIDENCE FEE	\$1,800.00
One half payable in advance of the beginning of each semester.	

PRELIMINARY PAYMENTS

<i>Registration for application for admission</i>	\$10.00
Not refunded or credited.	
<i>Deposit payable on or before June 5 preceding entrance</i>	\$50.00
Not refunded in case of withdrawal before entrance. Refund- ed after graduation. Also refunded to members of the three upper classes in case of withdrawal if notice in writing is filed with the Registrar prior to July 1 for the first semester, or prior to December 1 for the second semester.	

OTHER FEES AND CHARGES

<i>Infirmary charge per day</i>	\$6.00
Each student may have Infirmary care for six days each year without charge, but no more than two free days may be used for any one illness. The usual charges will be made for special nursing care and for services of physicians or specialists from outside the college.	
<i>Fees for courses in practical music</i>	
Vocal or instrumental, for the college year:	
One hour lesson a week	\$150.00
One half-hour lesson and two class hours	100.00
One additional half-hour lesson taken for extra credit	75.00
Courses in ensemble when given individually	50.00
Use of practice room and a college instrument	15.00
Use of practice room only, one hour daily	7.50
Use of practice organs in John M. Greene Hall, one hour daily	35.00

<i>Fees for classes in riding</i>	<i>Freshmen</i>	<i>Sophomores</i>
Fall term	\$36.50	\$54.75
Winter term	40.00	40.00
Spring term	32.50	48.75
Fall and spring terms if the entire fee is paid in the fall	59.00	93.50

Materials for courses in technical art at cost

GRADUATION FEE	\$15.00
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ESTIMATED ADDITIONAL EXPENSES

Books each year, approximately	\$75.00
Subscriptions and dues, student activities	25.00
Gymnasium outfit for physical education	22.85
Recreation and incidentals	from \$100 to \$150

SCHOLARSHIPS & FINANCIAL AID

SCHOLARSHIPS

For students of marked ability who are unable to meet their full expenses, the College offers tuition scholarships ranging from \$250 to \$900, a limited number of residence scholarships, and a number of work scholarships for upperclass students only. These scholarships are made possible through endowed funds given to the College for scholarship purposes, as well as by an annual appropriation from general income and annual scholarship gifts from Alumnae Clubs and other organizations.

All scholarships are awarded on the basis of high academic standing, personal qualifications, and financial need. They are given for one year only but may be renewed. Applications from entering students should be sent to the Director of Scholarships and Student Aid by March 1.

Tuition scholarships are granted at the discretion of the Trustees to undergraduates who have been residents of Northampton or of Hatfield for five years before the date of their admission to college, provided they are able to satisfy the full requirements of admission; this grant is continued through their college course provided they maintain diploma grade, conform to the regulations of the College, and continue to be residents of Northampton or of Hatfield.

The College awards fifteen scholarships in music each year.

Two tuition scholarships for use at seaside laboratories are granted by the College to students who show marked proficiency in the Departments of Zoology and Botany.

Endowment funds given to the College for scholarship aid are listed on pages 150-154.

FIRST GROUP SCHOLARSHIPS

The following scholarships are awarded to students of highest academic standing:

The Neilson Scholarships. Not more than fifteen scholarships, created by the Board of Trustees in honor of President William Allan Neilson on the completion of fifteen years of his administration, are awarded annually to students in the first group of scholars in the three upper classes.

The Dwight W. Morrow Scholarships. Ten scholarships are awarded annually to seniors in the first group of scholars.

The William A. Neilson Scholarship. This provides full tuition for a student in the first group.

The Sophia Smith Scholarships. These scholarships are awarded without stipend to members of the three upper classes whose standing entitles them to a place among the first group of scholars.

RESIDENCE SCHOLARSHIPS

Residence scholarships are awarded in three cooperative houses. Entering students desiring rooms in one of these houses should make special application to

SCHOLARSHIPS

the Director of Scholarships and Student Aid not later than March 1 of the year when admission is desired. Upperclass students apply for rooms in person at a time specified in the *Bulletin*.

Lawrence House and Albright House offer opportunity to one hundred and twenty-five students to reduce their living expenses. Board and room may be had in these houses for \$650 for the college year. Each student is expected to give approximately an hour a day to the work of the house in addition to the care of her own room.

Tenney House, originally established as the gift of Mrs Mary A. Tenney, is open to members of the three upper classes. In this house the students cooperate in the purchase of food and in the duties of housekeeping. The cost of a room in Tenney House is \$200 for the year; current prices determine the cost of board.

In memory of Mrs Tenney ten scholarships have been established known as the Tenney Residence Scholarships. These consist of \$100 each to be applied toward residence in any college house. They are awarded to students of approved character and scholarship in the three upper classes upon the recommendation of a committee consisting of Miss Mensel and Miss Lincoln.

SELF HELP

The College undertakes general supervision of the remunerative work done by undergraduates. Students wishing any kind of employment during the college year should register with the Director of Scholarships and Student Aid. Only a limited amount of work is available, most of which is given to students of the three upper classes.

A few upperclass students are given the opportunity to earn their full board by doing twenty-one hours of work a week in the houses.

LOANS

The Smith Students' Aid Society, Inc., organized in 1897, offers to the extent of its means loans of varying amounts to students of approved scholarship and character from the three upper classes. Loans granted shall become due as follows: ten per cent on May 1 of the first year following that in which the borrower's class graduated from Smith College; thirty per cent one year later; and sixty per cent two years later. Interest at six per cent shall begin to run after the said maturity dates. Applications for loans may be made to Miss Eleanor T. Lincoln, 54 Prospect Street, Northampton. Contributions to the work of this Society may be sent to its treasurer, Miss Emma B. Proctor, College Hall, Northampton.

FELLOWSHIPS

The announcement of fellowships awarded for graduate work including those open to students from foreign countries is in the *Bulletin of Graduate Studies*.

ENDOWED SCHOLARSHIPS & PRIZES

SCHOLARSHIP FUNDS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Charles Clinton Abbey	\$ 55,540.74
J. J. Albright	6,700.00
Susan Fuller Albright	8,250.00
Elizabeth Arden	10,000.00
Alma Hoegh Ayers	7,302.50
Franklin Baldwin	1,200.00
Bartol	72,713.80
Birney Clark Batcheller	500.00
Suzan R. Benedict	10,020.47
Mary Nichols Billings	5,000.00
Mildred Louer Bird	16,000.00
Morris A. Black	2,000.00
Carolyn Peck Boardman Memorial	5,165.00
Bodman	1,800.00
The President Burton Memorial	33,512.03
Jessica White Cabot	10,014.60
Jean Cahoon Memorial	10,000.00
Gibson Lamb Caldwell Memorial	9,400.00
John A. Callahan	7,440.81
James R. Campbell	1,009.97
Canadian	19,065.93
Bessie T. Capen	5,531.25
Helen Clarissa Gross Chandler	10,000.00
Elizabeth Marguerite Dixon Clark Memorial	17,000.00
Class of 1883 — in honor of Elizabeth Lawrence Clark	8,801.00
Class of 1887	10,000.00
Class of 1897	32,978.82
Class of 1898	6,122.50
Class of 1901	1,885.00
Class of 1905	10,150.00
Class of 1949	10,266.94
Class of 1950	8,798.28
Class of 1951	8,010.27
Class of 1952	7,090.34
Sara Hunt Clough Memorial	1,000.00
Mildred E. Ford Cobb Memorial	17,300.00
Katharine Baylis Cochran	8,000.00
E. C. Converse	50,000.00
Augusta E. Corbin	9,500.00
Charlotte Graves Cross	5,390.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Lt. Robert Lamont Darrah Memorial	1,000.00
Virginia Winslow Davis	10,000.00
Paul Dudley Dean Memorial	4,080.00
Vivian Bubb Decker	1,000.00
Mary D. Dey	5,000.00
Anna N. Dice and John William Dice Memorial	2,000.00
Elizabeth Lind Dice	1,000.00
Elizabeth Lind Dice and John Dice Memorial	3,000.00
Eleanor Duckett and Mary Ellen Chase	10,000.00
Mary Carter Duncan	10,000.00
Elizabeth Edwards Memorial	5,000.00
Constance Elaine Memorial	5,000.00
Elizabeth S. Fisk Memorial	2,000.00
Ida E. Fisk Memorial	2,000.00
Marietta Miles Fisk Memorial	2,000.00
Elizabeth Fobes	1,000.00
Clara and Joseph F. Ford	5,500.00
Edith Forrest Memorial	28,623.54
Mary P. Fowler	15,000.00
Emily Frink	2,000.00
Fannie Furman Memorial	10,000.00
Eleanor N. Gaffield	10,000.00
Gamble	2,000.00
Gannett Memorial	2,000.00
Carrie L. W. and Marion Gary	12,437.23
Anne D. Geller (fund held by outside trustee)	
Gertrude Gladwin Memorial	10,476.00
Howard Rogers Clapp and Howard Rogers Gleason Memorial	25,165.00
Jessie S. R. Goldthwait	10,000.00
Elizabeth Firestone Graham	21,231.25
Mary Louise Brown Graham	10,000.00
Elizabeth Bancker Gribbel Memorial	12,000.00
Ellen Clarissa Gross	10,000.00
Charlotte C. Gulliver Memorial	10,040.00
Julia H. and Mary Gulliver	9,528.48
Philip Hale	10,000.00
Elizabeth Deering Hanscom	16,153.69
Mary S. Harkness	10,000.00
Marion and S. Ralph Harlow	4,136.37
Helen H. Hills	21,250.00
Anna Laura Holbrook	14,508.56
Esther R. Holmes	6,000.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Ellen Holt	10,005.00
Charlotte Manning Hoover	5,050.42
Lucia Maria Houpt	2,500.00
Lillia Babbitt Hyde Foundation	20,000.00
William Bertram Imlach	8,650.82
Ruth Eckhart Jarvis	10,500.00
Emily Harris Jones	10,000.00
Florence Hopwood Judd	6,267.50
Caroline E. Kilbon	200.00
Ruth de Young Kohler	12,500.00
Jessie Stevenson Kovalenko	5,000.00
Kresge Foundation	40,000.00
Mary Allison Lang Memorial	530.00
Mary Lanning Memorial	5,000.00
Lathrop Memorial	1,350.00
Latin American—Class of 1890	7,500.00
Caroline Saunders Lindeke	6,255.00
Agnes Linton	1,000.00
Alice and Florence Lord	5,023.64
Esther Lowenthal	8,327.52
Jeannette Laws McCabe	25,200.00
Helen Roberts McCormick	10,300.00
Ethelyn McKinney	25,000.00
Barbara McRoy	88,300.79
Carolyn Weston McWilliams	1,000.00
Beatrice Austin Manning and John Henderson Manning	15,000.00
Maplewood Institute Memorial	5,000.00
Helen Ayer Marden	1,000.00
Dorothy R. Mendenhall	1,000.00
Margaret Mitchell	1,596.00
Jean Morron	25,000.00
Dwight W. Morrow	100,000.00
Nellie Eddy Mudge	2,000.00
Miriam Myers Memorial	5,000.00
Ida A. Nathanson	1,500.00
Ruth Perry Neff	4,916.00
William A. Neilson	15,000.00
Alice Edgerton Parsons	4,500.00
Barbara Whitney Peck	10,000.00
Harriet and Gurdon Pellett Memorial	44,628.81
Elizabeth Bartlett Phillips	5,000.00
Isabel Pickering	37,810.11

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Ellen Plimpton	7,002.50
Olive Higgins Prouty	2,768.75
Edith Nichols Putney Memorial	1,771.49
Louise Cornell Rausch	10,293.80
Anne E. Rice	5,000.00
Dagmar M. Ross Memorial	20,000.00
Christine Rounds Memorial	6,000.00
Samuel Runner	5,000.00
Lucy J. Russell	1,000.00
Margaret Roberts Sanborn	5,305.00
SCADS	20,000.00
Benjamin and David Scharps	2,500.00
Alice Goodwin Schirmer	5,000.00
Laura Shedd Schweppe Memorial	20,000.00
Edith Scott	8,000.00
Sadie D. Scott	8,000.00
Emma E. Scranton	1,000.00
Seaver	10,000.00
St. Agatha — Emma Sebring	10,000.00
Edith Dudley Sheldon	1,500.00
Elsie Damon Simonds	47,950.00
Andrew C. Slater	4,000.00
Anna Margaret Sloan and Mary Sloan	16,807.78
Frances Grace Smith Scholarship	63,449.29
Louise Smith	51,585.51
Smith College Club of Akron	3,025.00
Smith College Club of Buffalo	100.00
Smith College Club of Cincinnati	14,266.15
Smith College Club of Cleveland	10,000.00
Smith College Club of Detroit	10,117.07
Smith College Club of Fitchburg	5,000.00
Smith College Club of New Haven	10,618.24
Smith College Club of New York	15,000.00
Smith College Club of North Shore (Ill.)	8,505.40
Smith College Club of Oregon	1,935.76
Smith College Club of the Oranges	14,156.75
Smith College Club of Philadelphia	9,638.41
Smith College Club of Pittsburgh	1,000.00
Smith College Club of Rhode Island	12,000.00
Smith College Club of Seattle	4,961.28
Smith College Club of Winchester	400.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Caroline Lounsbury Steele Memorial	2,913.00
Anne Straw, Class of 1948	20,000.00
Students	1,945.00
Otto Sussman	174,920.89
Emily Hitchcock Terry Memorial	3,000.00
Charles M. Thayer Memorial	3,000.00
Helen Rand Thayer	10,000.00
Julia Ball Thayer	6,000.00
Eva I. Titman	5,000.00
Roslyn Titman	5,000.00
Helen Ramsey Turtle Memorial	1,165.00
Lulu Morris Wadley Memorial	5,000.00
Rodney Wallace	10,000.00
Sophia Billings Wallace	5,000.00
Sophia Ingalls Wallace	5,000.00
Jane O'Neil Wallis Memorial	10,505.00
Mary Rankin Wardner Memorial	4,120.00
Mary Bird Wells Memorial	11,233.75
Westmoreland County (Pa.)	9,689.00
Julia Carolyn Weston	10,000.00
Margaret White Memorial	5,000.00
White Lodge	2,622.00
Catharine Lasell Whitin	10,100.00
Hiram Whittington	10,000.00
Harriet J. Willard Memorial Scholarship	5,000.00
Mary E. Wilson	5,868.00
Wood	10,000.00
Ella Eames Wood	6,026.52
Robert M. Woods Memorial	5,000.00
Josephine Clews Wrightson Memorial	21,500.00
Miscellaneous	9,580.60
Alumnae Association	25,525.00
Harriet Boyd Hawes	12,000.00
Agnes Hunt Memorial	1,000.00
Frances Grace Smith	20,000.00
Jean Fine Spahr	24,903.65
Sarah Watkins Wilder and Sarah Wheaton Whipple	10,837.34
Fanny Bullock Workman	30,000.00
TOTAL	\$2,461,114.91

PRIZE FUNDS

The *Alpha Awards* are made annually by a committee of the faculty for excellence in the fields of creative writing, dance, drama, technical art, practical music or composition.

The *Elizabeth Babcock Poetry Prize* fund of \$2500, established by Miss Edith L. Jarvis 1909 in memory of Elizabeth Babcock ex-1911. The income is to be awarded annually for the poem adjudged best by a committee appointed by the Department of English. The competition is open to all undergraduates except those who have already won the prize; the poem submitted may not have been printed previously.

The *Harriet Dey Barnum Memorial Prize* fund of \$300, founded by the Class of 1916, the income to be used for outstanding work in music.

The *Suzan Rose Benedict Prize* fund of \$1085.47, the income to be awarded at the discretion of the Department of Mathematics to a freshman or sophomore who has done outstanding work in differential and integral calculus, the decision being made by the Department.

The *Samuel Bowles Prize* fund of \$2002.69, the income to be awarded to a senior for the best thesis on a sociological or economic subject.

The *John Everett Brady Prize* fund of \$2000, the income of which is awarded for excellence in translating Latin prose and verse. A special examination is set in the spring.

The *Margaret Wemple Brigham Prize* fund of \$850, established in her memory by friends and associates of the Division of Laboratories and Research of the New York State Department of Health, the income to be awarded to a senior for excellence in bacteriology.

The *Amey Randall Brown Prize* fund of \$2000, given by Miss Mabel Brown 1887 in memory of her mother. The income is to be used as a prize for the best essay on a botanical subject.

The *Vera Lee Brown Prize* fund of \$1000. On recommendation of the Department of History the income is awarded for excellence in that subject to a senior majoring in history in the regular course.

The *Yvonne Sarah Bernhardt Buerger Prize* fund of \$5000, the income to be awarded to the undergraduate who has contributed most vitally to the dramatic activities of the College.

The *James Gardner Buttrick* fund of \$1000, given by Mrs Buttrick in fulfillment of her husband's wish, the income to be used for a prize for the best essay on a subject in the field of religion and Biblical literature suggested by a course in that Department and approved by the instructor.

The *Julia Harwood Caverno Prize* fund of \$2000, the income of which is given to an undergraduate for proficiency in Greek language and literature to be tested by an examination upon an assigned portion of Greek literature: in 1953, Herodotus, Book 2, chapters 1-50; in 1954, the *Odyssey*, Books 9 and 10.

PRIZE FUNDS

The *Sidney S. Cohen Prize* fund of \$2500, the income to be awarded at the discretion of the Department of Economics.

The *Ethel Olin Corbin Prize* fund of \$1000, the income to be awarded to the undergraduate for the best original poem—preferably blank verse, sonnet, or ballad—or informal essay in English.

The *Dawes Prize* fund of \$1898.57, the income to be awarded for the best undergraduate work in political science.

The *Alice Hubbard Derby Prize* fund of \$2555.34, the bequest of Mr Henry R. Lang in memory of his wife, a member of the Class of 1885. The income is to be used for prizes awarded by the Classics Department to students of the Junior and Senior classes who have shown special proficiency in the study of Greek literature in the original in the year in which the awards are made.

The *Hazel L. Edgerly Prize* fund of \$500, founded in memory of Hazel Louise Edgerly 1917, the income to be awarded on the recommendation of the Department to a senior in honors in history for distinguished work in that subject.

The *Settie Lehman Fatman Prize* fund of \$5000, the income to be awarded for the best musical composition preferably in sonata form by a member of the Senior Class or a graduate student who is taking Music 42 or Special Studies in Composition.

The *Harriett R. Foote Prize* fund of \$500, the income of which is to be awarded to the outstanding student in Botany, based on an examination record.

The *Henry Lewis Foote Memorial Prize* fund of \$500, given by his wife, Harriett Risley Foote 1886, the income to be awarded for excellence in classwork in the Biblical courses, 11, 25b, 26a, 27a and b, 36a, 39.

The *Clara French Prize* fund of \$5000, founded by Mrs Mary E. W. French, the income to be given to that senior who has advanced farthest in the study of English language and literature.

The *Helen Kate Furness Prize* fund of \$1000, founded by Horace Howard Furness, the income of which is given for the best essay on a Shakespearean theme. There is no restriction on the length of the essays, but in general they are not to be shorter than 4000 nor longer than 10,000 words. The competition is open to all undergraduates. The subject for 1952-53 is, "The Relation of Imagery to Theme in Shakespeare's Tragedy"; for 1953-54, "Shakespeare's Final Plays in Relation to the Romantic Comedies of the Middle Period."

The *Sarah H. Hamilton Memorial Prize* fund of \$2000, given by her sister Mrs Julia H. Gleason, the income to be awarded for an essay on music.

The *Arthur Ellis Hamm Scholarship Prize* fund of \$5000, founded by Elizabeth Creevey Hamm 1905 in memory of her husband, Captain Arthur Ellis Hamm, the income to be awarded to a freshman on the basis of the year's record.

The *Frances A. Hause Memorial Prize* fund of \$1000, founded in memory of Frances A. Hause 1922, the income to be awarded to the senior who has majored in chemistry and has made the best record in that subject.

PRIZE FUNDS

The *Mary Augusta Jordan Prize*, consisting of a replica in bronze of the medal given to Miss Jordan in 1921 by the alumnae, is awarded by them through the prize committee of the English Department to a senior for the most original piece of literary work in prose or verse composed by her at any period of her undergraduate course in Smith College. No restriction is made as to subject, style, or length; and the composition may have formed part of the requirements of college study or have been already printed.

The *Florence Corliss Lamont Prize*, a medal to be awarded for work in philosophy.

The *Emogene Mahony Memorial Prize* fund of \$500, founded by Miss Ethel Haskell Bradley 1901, the income to be given for proficiency in organ.

The *Samuel Michelman Memorial Prize* fund of \$500, given in his memory by his wife, the income to be awarded to a senior from Northampton or Hatfield who has maintained a distinguished academic record and has also taken an important part in student activities.

The *Mrs Montagu Prize* fund of \$400, founded by Mrs Abba Louisa Goold Woolson in honor of Mrs Elizabeth Montagu, the income to be awarded for the best essay on the women of Dr Johnson's time.

The *Victoria Louise Schrager Prize* fund of \$2000, given in her memory by her family and Miss Marjorie Hope Nicolson, the income to be awarded annually to a senior who has maintained a distinguished academic record and has also taken an important part in student activities.

The *Andrew C. Slater Prize* fund of \$1000, the income of which is awarded to an undergraduate for excellence in debate.

The *Frank A. Waterman Prize* fund of \$335, the income to be awarded to a senior who has done excellent work in physics.

1952 Awards

PRIZES

Alpha Awards: art, Shirley Almeda West 1952; creative writing, Jane Jordan Browne 1952; dance, Martha Jane Lyon 1952; music, Virginia Elizabeth Plews 1952; theatre, Anne Sullivan 1952

Elizabeth Babcock Poetry Prize: Celia M. Stone 1954

Harriet Dey Barnum Memorial Prize: Mary L. Turner 1952

Suzan Rose Benedict Prize: Sarah A. Schaffer 1954

Samuel Bowles Prize: Karel Ruth Fierman 1952, Elizabeth M. Marbury 1952

John Everett Brady Prize: Evelyn B. Hawkins 1952

Margaret Wemple Brigham Prize: Margaret H. Hildebrandt 1952

Vera Lee Brown Prize: Margaret Field Cochran 1952

Yvonne Sarah Bernhardt Buerger Prize: Barbara R. Barber 1952, Cecil S. Hoffmann 1952, Winifred H. Lee 1952, Helen Slotnick 1952, Anne Sullivan 1952

James Gardner Buttrick Prize: Patricia A. Wooldridge 1952

Sidney S. Cohen Prize: Elizabeth Ann Powell 1952

Dawes Prize: Harriett A. Burnett 1952, Marjorie S. Hecht 1952

Alice Hubbard Derby Prize: Evelyn B. Hawkins 1952

Hazel L. Edgerly Prize: Lucy Lawrence Worcester 1952

Settie Lehman Fatman Prize: Virginia E. Plews 1952

Henry Lewis Foote Memorial Prize: Celia Fisher Allison 1953

Clara French Prize: Mary Ellen Greenfield 1952

Helen Kate Furness Prize: Ruth MacKenzie Barnes 1955

Sarah H. Hamilton Memorial Prize: June Hopps 1954

Arthur Ellis Hamm Scholarship Prize: Kristin Lie Miller 1955, Marlene Ann Strobel 1955, Saral Dieter Teilhet 1955

Frances A. Hause Memorial Prize: Janet C. Schuck 1952

Mary Augusta Jordan Prize: Patience M. Cleveland 1952

Emogene Mahony Memorial Prize: Mary Claire Martin 1952

Samuel Michelman Memorial Prize: Mary E. McBreen 1952

Guthrie McClintic-Katherine Cornell Prize: Patience M. Cleveland 1952

Victoria Louise Schrager Prize: Lucy Lawrence Worcester 1952

Sigma Xi Plaque: Lawrence House; *Trophy for Second Honors:* Haven-Wesley House

Andrew C. Slater Prize: Lois W. Sisson 1952, Joyce K. Johnson 1953

Frank A. Waterman Prize: Patricia L. Kelley 1952

FIRST GROUP SCHOLARS*

CLASS OF 1953

Celia Fisher Allison
 Virginia Jane Anderson
 Yvonne Beachley
 Joanne King Berresford (Nason)
 Mary Agnes Bonneville
 Helen Perry Bryan
 Rosalie Annette Burns
 Mary Jane Butler
 Sylvia Carstens
 Patricia Joyce Daly
 Barbara Adele Davis
 Lucy Larcom Dayton (Deephouse)
 Janine Marie-Beatrice Devys
 Judith Pearl Feldbaum

Karel Ruth Fierman
 Katherine Anne Harris
 Nancy Claire Major
 Patricia Anne Moore
 Ruth Mortimer
 Rita Elene Parr
 Nancy Jane Scott
 Margaret Lulu Shook
 Helene Enid Steinman
 Patricia Weed
 Margaret Anne Wickham (Tooker)
 Mary Lillian Williams
 Blossom Joy Willinger
 Grace Holt Woodbury

CLASS OF 1954

Yolanda Marie Astarita
 Helen Marie Bilhorn
 Iris Mae Bowen
 Dorothy Amory Bradford
 Patricia Dowling
 Anna Marion Farquar
 Ann Friedman
 Shirley Dawson Gersumky
 Minerva Heller
 Eleanor Wood Johnston
 Wendy McAnany
 Joan Deborah Macdonald

Ann Jane Morton
 Anne Dyer Murphy
 Jane Todd Nichols
 Catherine Anne Parsons
 Sylvia Plath
 Angelica Liasse Schaeffer
 Sybil Joan Schless
 Judith Schupper
 Barbara Elizabeth Southard
 Babette Jane Stipes
 Celia Mary Stone
 Nancy Patterson Tuttle
 Miriam Larkin Young

CLASS OF 1955

Sandra Arlene Dunn
 Anne Lois Elmendorf
 Sylvia Finger
 Ann Harrington
 Mary Hamilton Henry
 Joyce Ranger Low
 Sallie Mae McFague
 Vera Meader

Ann Morris Michelson
 Kristin Lie Miller
 Marianne Lore Mosbacher
 Nadine Olga Neuburg
 Nancy Strassburger
 Marlene Ann Strobel
 Saral Dieter Teilhet

*These include the Dwight W. Morrow, the Neilson, the William Allan Neilson, and the Sophia Smith scholars, as well as the Miami Smith Club Scholar and the New York Smith Club Scholar.

1952 AWARDS

DEGREES

A.B.

Mary Ann Alderman	Sara Bond
Judith Alexander	Betsy Lee Bowen
*Mary Allison	Sally Kendall Bragg
Jo Ann Amos	†*Edith Moffat Bramwell
Joan Elizabeth Henrietta Anderson	Georgia Anne Brauer
Nancy Steele Anderson	Susan Bray
Garnett Andrews	Nancy Ann Breckenridge
Laurie Ann Aplin	Judith Ann Brentlinger
Pauline Menefee Arnold	Cynthia Brezniak
Jocelyn Ann Arundel	Judith Briggs
Elizabeth Asbury	Lucy Therina Briggs
Mary Ann Atkinson	Ann Brown
Judith Atwater	Madelaine Perkins Brown
Jeannette Josalyn Auerbach	Jane Jordan Browne
Frances Mary Baker	Barbara Bruce (Wicks)
Martha Joyce Baker	Elinor Gallun Brumder
Martha Gordon Ball (Geiken)	Anita Margaret Brunner
Margaret Hinda Barach	Mary Wynne Bullock
Barbara Ronald Barber	Cynthia Calderwood
Barbara Sheldon Barry	Barbara Vining Caldwell
Clella Evelyn Bay	Mary Ethel Cameron
Ann Gibbs Becker	Janet Lee Canfield
Barbara Ann Beeman	Lisa Cecelia Caplan
*Peninah Ben-Asher	Anne Schwartz Carpenter
Sonya Faye Bendett	Sarah Calhoun Carrington
Gertrude Elise Benjamin	Sylvia María Carrión
Elizabeth Spitzer Bentley	Elizabeth Lincoln Chapman
Joan Paula Berger	Virginia Cheatham (Bladen)
Constance Marie Bergfors	Patience Mather Cleveland
Margaret Jean Berry	Margaret Field Cochran
Katharine Hewetson Bigelow	Shirley Barbara Cohen
Janet Bliss	Doris Lee Mignonne Collins
Mary Elizabeth Bliss	Barbara Sandra Cornez
†Virginia Walker Bliss	†Marie Louise Estelle Cournoyer
Florette Bloomberg	Lee Collier Craig
Louise Bloomberg	Ruth Jacot Crane
Alice Jeanne Blumenfeld	Cordelia Glazier Creamer

*Elected to Phi Beta Kappa

†Elected to Sigma Xi

1952 AWARDS

Marian Louise Crossfield
 Marcia Cummings
 Mary Helen Curley
 Mary Darling Curtis (Davey)
 Barbara Wilson Cutchins
 Gloria Pearle Cutting
 Barbara Bradford Dake
 Julie Dallwig (Stanger)
 Joan Danforth
 Lucy Taintor Davis
 Eloise Day
 Priscilla Deane
 Ann Steele Dibble
 Priscilla Page Dole
 Gretchen Vogt Dorries
 Nancy Newberry Downes
 Anna May Driscoll
 Maria-Vina Drossinos
 Susan Moninger Duff
 *Alice Anne Dunn
 Katharine Eaton
 Nancy Hope Eccles
 Ellen Ehrlich
 Barbara Lee Ellen
 Betty Louise Emery
 †Nancy Ewing
 Dorothea Marilyn Farbar
 Jane Farr (Tash)
 *Carol Joan Feinberg
 Minna Stillman Feinmark
 Susan Nata Felstiner
 Myrna Claire Fenn
 Martha Winifred Field
 Marilyn Poland Fish
 *Shirley Moragné Fleming
 Virginia Elizabeth Fogel
 Grizel Cochrane Forrester
 Janett Louise Forsander
 Betty Jane Foss
 Marguerite Anne Foster
 Margery Walker Franks
 Nancy Freeman

Mary Jane Friday
 Barbara Louise Fritz
 Mary Patricia Fry
 Josephine Virginia Sylvia Funes
 Jean Elinor Fusini
 Cynthia Gale
 Barbara Elizabeth Gallun
 Suzanne de Maurex Gauthier
 Mary Woodward Gay (Brown)
 *Olive May Gibson
 Barbara Ann Gilstrap
 Tatiana Nicholaevna Glaskovsky
 Ryna Natalie Glick
 Hermine Rose Godnick
 Joan Renee Goldberg
 *Lois Mae Goldberg
 †Mary Susan Gongaware
 Marea Edwina Grace
 Sue Graham
 Joanne Ruth Gravely
 Anne Louise Gray
 *Sally Wurlitzer Griess
 Hope Griswold
 Rose-Joan Grotta
 Gertrude Rowley Haff
 Sandra Helen Haft
 Barbara Fogg Hall
 Marjorie Anne Hall
 Eleanor Towns Hamilton
 *Patricia Curtis Hamilton
 Roxanna Louise Harrington
 Deborah Harvey
 Anne Landon Hawkins
 Jean Collner Hedin
 Dolores Charlotte Hendel
 Helen Caroline Hewitt
 Jean Ann Hiatt
 Anne Lambert Hillhouse
 Cecil Sanford Hoffmann
 Ann Franklin Hofford
 Eva Frances Hofman
 Katherine Austin Hogg

1952 AWARDS

Anne Holden	Marianna Lubow
Lorna Holland	Eleanor Luria (Brilliant)
Sarah Horenstein	Martha Jane Lyon
Ellen Carol Horgan	Mary Elizabeth McBreen
Lois Hottel (Wood)	Mary Lee McCallum
Jane Hughes	Sarah Frances McClary
Jane Hoge Jackson	Elizabeth Aidan Macdonald
Svava Jakobsdottir	Margaret Ann Macdonald (Smith)
Joan Jacquelin James	Mary Curtis McKinley
Deborah Wells Jones	Katherine McKinney
Joan Jones	Genevieve Louise McLeod
Mary Helen Jones	Charlie Hutchins MacMahon
Jacqueline Morcelete Jordan	Caroline Hetherington MacNichol
†Ruth Janice Joyce	Janet Adams Macomber
Betty Jo-Ann Katson	Eileen Mary Maher
†*Patricia Louise Kelley	Lilian O'Connor Jennison Marchant
Zoe Keniston	Lois Cornell Markle
Margaret Trowbridge Kent	Mary Trowbridge Marsh
Donna Natalie Kern	Mary Claire Martin
Joy Eleanor Kesslinger	*Janet Mason
Carolyn Annette Kiger	Mary Katherine Mattison
Carlys Ann King	Ann Cowan Meredith
Elizabeth Bryant King	*Anita Muriel Meyers
Phebe Brown Kley	Angela Joy Middleton
Marilyn Wight Knapp	Nancy Millar
Joan Pamela Kneeland	Harriett Rita Miller
Rita Eunice Koslow	Marbeth Ann Miller
*Jeannette Ann La Bombard	Clara Paige Mills
Edith Morris La Croix	Barbara Anne Mitcheltree
Eugenie Ward Lamb	Anna Monser
Joan MacLure Landers	Margaret Patricia Montgomery
Marie-Jeanne Emilie Louise Laurent	Marcia Reed Moore
Bettie Lawrence	Marleigh Anne Morland
Winifred Howard Lee	Martha Morrell
Henrietta Parrott Light	Margaret Morse
†Daisy Yun-Yin Lin	Marilyn Sandra Moss
Elizabeth Ann Lind	Elizabeth Murdock
Katherine Kerr Logan	Denise Musnik
Martha Evangeline Longpré	Marilyn Lois Nair
Sylvia Marie Lopez	Sarah Suzanne Nash
Barbara Townley Loudon	Marjorie Esther Neidrauer
Carol Joan Lowett	Martha Ann Nelson

1952 AWARDS

Frances Powell Newman	Esther Nita Rotenberg
Janet Catherine Noelting	Lila Frances Roth
Martha Jane Nussbaumer	Camilla Ann Royal
Doris May O'Brien	Barbara Lou Ruben
Nancy Griffin Osgood	Eleanore Rubenfeld
Muriel Kazue Otani	Joan Marcel Rubin
Alma Helen Otley	Lucy Landon Ruffin
Eleanor Audrey Panysh	Charlotte Ann Russell
Barbara Ann Park	Barbara Ann Sabin
Alice Marie Parmentier	Helen Romaine Safford
Virginia Fox Patterson	Marilyn Ruth Sargent
Elizabeth Grinnell Pease	Nancy Day Scandrett
Ann Page Pendarvis	Miriam Broude Schorr
Margaret Stuart Perkins	†*Janet Colin Schuck
Ellen Perry	Vivienne Marianne Schulman
Frances Breck Perry	Ann Schwartz
Joyce Babb Peterson	Lee Ray Schwartz
Margaret Kennedy Phillips	Joyce Adelberg Schwartzman
Mary Etta Phillips	Jean Davidson Scott
Joan Frances Pines	*Ruth Eva Sender
†*Doris Helen Pomerance	B. Sue Shaffer
Patricia Joyce Porter	Margaret Minor Shaffer
Muriel Irene Post	Marjorie Ruth Shapira
Joan Alyce Pressprich	Pamela Brooks Sharp
Jean Brewster Proudfit	Jeanne Vivian Shay (Bloom)
Suzanne Cecilia Racusin	Joan Whitney Shea
Ann Raskin	Loretta Jane Silver
Ellen Louise Rauth	Lila Elaine Silverstein
*Argyll Pryor Rice	Stefanija Simkute
Barbara Anne Rich	Barbara Snow Simpson
Natalie Davis Richman	Lois Winslow Sisson
Mary Louise Riedel	Barbara Harriet Slauson
Myrta Gardner Robertson	Joyce Irma Slonim
Paula Freeland Robertson	Helen Slotnick
Ann Robinson	Susan Anne Slye
Anne Robinson	Ann Haswell Smith
Nancy Sprigg Roe	Anna Crain Smith
Mary Rollins	Patricia Ann Snee
Virginia Rose	Frances Ann Somerville
Ruth Pauline Rosen	Margaret Ladd Speer
Gloria Ann Ross (Steel)	Dorothy Ann Spencer
Betty Joy Rossyn	Suzette Pyle Spitzer

1952 AWARDS

Janet Louise Stallings
 Jean Alice Stambaugh
 Jane Herries Starr
 Marilyn Ruth Stocklan
 Joan Marie Christine Storberg
 Patricia Nancy Stouch
 Mary Alice Stringer
 Jean Warner Sturges
 Anne John Sullivan
 Jane Ann Sullivan
 Anne Thompson Sutton
 Jean Elizabeth Swantee
 Sally Ann Sweeney
 Joan Phyllis Swenson
 Mary Natasha Sylvester
 †Martha Szerlip
 Tatiana Ai-Ling Tann
 Sophie Wolcott Telfer
 Virginia Thayer
 Gladys Jean Thompson
 Mary Philippa Thompson
 Margot Rita Tishman
 Jean Tomlinson
 Ellen Shaw Tufts
 *Mary Layton Turner
 Marion Chatterley Tuttle
 Susan Joanne Tuttle
 Judith Isabell Uberman
 Elayne Barbara Ullian (Toga)
 Mary Dickson Varian (Gillim)
 Norma Carol Veach
 Gretchen Ann Vedder
 *Marjorie Walker
 †Jean Frances Wallace

Jo Ann Wallace
 Jeanne deBruch Washburn
 Mary Florence Waterfall
 Ruth Pomeroy Watson
 Caroline Cannon Watt
 Jane Alice Weeden
 Florence Olivia Weil
 Shirley Almeda West
 Elizabeth Wheeler
 Eleanor Reynolds Wheelwright
 Martha Ann Whiting
 Cornelia Elizabeth Wight
 Nancy Willis
 Carlotta Hurd Willison (Zwillinger)
 Virginia Keating Wilmot
 Helen Betty Winkler
 Brenda Kent Winthrop
 Helena Adams Wolfe
 Julie Ann Wolyn
 Barbara Wood
 Marie Elinor Woodberry
 Patricia Joan Wyker (Silbert)
 Jane Masae Yanagihara
 Elizabeth Yates
 Helen Florence Zaiantz
 Marica Elias Zenzefili
 Elizabeth Alice Ziegler
 Cynthia Zuck

A.B. AS OF THE CLASS OF 1951

Ruth Anne Kingsland (Herbig)
 Antonia Leamy Parkman
 Zoe Ursuline Parks
 Mary Ann Weld

HONORS

Cum laude

- Helen Barney Alexander (Government)
 Deborah Baltzly (History)
 Edith Bunnell Bennett (History)
 Marion Dorothy Bernstein (General Literature)
 Mary Kane Blair (History)
 Marylee Gail Burt (History)
 May Oliver Collacott (Economics)
 Camilla Ann Cowardin (Psychology)
 Janet Scott Denithorne (Art)
 Carol Esberg (English)
 *Barbara Ann Eskridge (Lind) (History)
 Ann Merwin Foote (English)
 Eleanor Thelma Herman (Government)
 Maryann Beatrice Higbee (Government)
 Linda Jackson (History)
 Maureen Therese Kearns (English)
 Joan Lavine (Government)
 *Merian Hart Lovelace (Latin American)
 *Amy Otis Morrissey (Philosophy)
 *Nancy Ellen Morse (Knight) (English)
 Eleanor Brooks Parkman (Government)
 Estelle Catherine Scrobogna (Government)
 Harriet Porcher Simons (Economics)
 Suzanne Spencer (Government)
 Virginia Wayne Talbot (Government)
 Joan Harriet White (Government)
 *Eleanor Whitridge (History)
 Patricia Anne Wooldridge (Sociology)

Magna cum laude

- Jeanne Lois Bilby (Sociology)
 *Harriett Ann Burnett (Government)
 *Barbara Belle Crosby (History)
 Lola Ruth De Amicis (Italian)
 Virginia de Coningh (History)
 Jacqueline Pickard Frost (Government)
 Elinor McClure Funk (English)
 *Janice Hartman (Sociology)

1952 AWARDS

- Evelyn Byrd Hawkins (Classics)
*Marjorie Stewart Hecht (Government)
Eunice Jane Helmold (Music)
†*Margaret Herta Hildebrandt (Bacteriology)
Janet Wallace Ley (Art)
*Elizabeth McCulloch Marbury (Economics)
*Dorothy Edith Oxman (History)
*Virginia Elizabeth Plews (Music)
*Claire Rosenfield (English)
*Doris Helene Schlosser (Latin American)
*Thalia Stathas (Music)
Renée Alexander Stevens (English)
†Charline Claire Stickles (Geology)
†Jocelyn Mary Taylor (Zoology)
Carol Wilson Tucker (Art)
Marjorie Weiner (Government)
*Anna Wood (English)
*Lucy Lawrence Worcester (History)
*Dorothea Martha Wormser (Art)

Summa cum laude

- *Mary Ellen Greenfield (English)
*Elizabeth Ann Powell (Economics)
*Alma Rosenfield (English)
*Karel Ruth Fierman (Sociology), Class of 1953 accelerated

CERTIFICATE OF GRADUATE STUDIES

- Irja Linnea Kärkkäinen, Diploma for Teachers of Physical Education, University of Helsinki, 1931. Physical Education.
Lilian Rica Romano, B.A., American University at Cairo, 1950. Education and Child Study.

M.S. IN PHY. ED.

- Frances Marie Becker, A.B., Brown University, 1950.
Billie Ann Burrill, B.S., Boston University, 1950.
Barbara Reed Henderson, B.S., Boston University, 1948.
Doris Joan Hinson, B.S., Oklahoma College for Women, 1951.
Jeanne Louise Johnston, B.A., Bethany College, 1951.
Ruth Judson, A.B., Smith College, 1951.

1952 AWARDS

Marion Boynton Mooers, B.S., Boston University, 1951.
Phyllis Mae Ocker, B.A., University of Washington, 1948.
Hannah Hall Todd, A.B., Smith College, 1951.

ED.M.

Patricia Anne Clarke, A.B., Colby College, 1950.
Alice Cavins Richardson, A.B., Hanover College, 1950.
Doheny Mary Hackett Sessions, A.B., Smith College, 1927.

A.M.

Marilyn Claire Anderson, A.B., University of Tulsa, 1948. Theatre.
Frances Mary Berting, A.B., Oberlin College, 1950. Physics.
Kathryn Eleanor Burnett, A.B., Oberlin College, 1950. Music.
Rosamond Zeigler Cohan, A.B., Vassar College, 1951. Music.
Nancy Hopper Compton, A.B., Hunter College, 1949. Geology and Geography.
Mary Jane Crooks, B.S., Pennsylvania College for Women, 1950. Chemistry.
Barbara Anne Donahue, B.S., University of Massachusetts, 1950. Botany.
Claudine Dumont, Licencée ès Lettres, Université de Paris, 1951. English. †
Seyhan Nurettin Ege, B.S., American College for Girls, Istanbul, 1949; Certificate of Graduate Studies, Smith College, 1951. Chemistry. †
Kathryn Emma Fieselmann, B.S. IN ED., Wheelock College, 1944. Education and Child Study.
Helen Miriam Hagelbarger Fife, A.B., Hiram College, 1947. Physics.
Daisy Neville Jenkins Fletcher, A.B., Randolph-Macon Woman's College, 1950. History.
Ada Lee Hardester, A.B., Western Maryland College, 1950. Music.
Thelma Virginia Hardy, B.S., Bates College, 1950. Zoology.
Marie-Claire Hauth, Candidate for Licencée, Université de Strasbourg. English. †
Jane Therese Judge, A.B., Mount Holyoke College, 1949. Chemistry.
Hanna Kurz, A.B., Hunter College, 1951. French. †
Patricia Anne Lackey, A.B., Swarthmore College, 1950. Chemistry.
Jean Therese Lane, A.B., New Jersey College for Women, 1949; B.S., Juilliard School of Music, 1950. Music.
Virginia Marie McKeen, A.B., Bates College, 1951. History.
Lucile Adrienne Frenillot Martineau, Bachelière de L'Enseignement Secondaire, Université de Montpellier, 1949. French. †
Marcella Masoero, Dottore in Fisica, Università degli Studi di Torino, 1949; Certificate of Graduate Studies, Smith College, 1951. Physics.
Phyllis Elizabeth Moroney, B.S., Saint Joseph College, 1950. Bacteriology.
Dorothy Lois Munro, B.A., University of Melbourne, 1946. History.

1952 AWARDS

Khin Thi Da Oung, B.A., University of Rangoon, 1949. Education and Child Study.

Anne Rabiner, A.B., Hunter College, 1951. English.

Gilian Rigby, B.A., St. Hugh's College, Oxford University, 1951. English.

Rosalind Robinson, A.B., Indiana University, 1950. Geology and Geography. †

Teresa Rondon-Tarchetti, Profesora de Biología y Química en Secundaria y Normal, Instituto Pedagógico, Caracas, 1949. Zoology.

Carmen Maria Martins dos Santos, Licenciado em Letras Anglo-Germanicas, Universidad da Bahia, 1947; Certificate of Graduate Studies, Smith College, 1951. English.

Rika Caroline Sarfaty, B.S., University of Rochester, 1950. Physics.

Zilpha Fasser Smith, B.S., University of Massachusetts, 1950. Chemistry.

Charlotte Crocker Nolan Spencer, A.B., Smith College, 1935. Art.

Bernice Helen Staniszewski, B.S., University of Massachusetts, 1949. Bacteriology.

Helen Locke Thompson, A.B., Whitman College, 1950. Zoology.

PH.D.

Kathleen Margaret Cole, B.A., University of British Columbia, 1945; M.A., University of British Columbia, 1947. Botany and Plant Genetics.

† With distinction

HONORARY DEGREES

L.H.D.

Anna Alice Cutler

Sc.D.

Dr. Albert Francis Blakeslee

LL.D.

Constance Ray Harvey

LL.D.

Florence Corliss Lamont

LL.D.

Dorothy Constance Stratton

SCHOOL FOR SOCIAL WORK DEGREES

August, 1952

M.S.S.

Carolyn Lorraine Zellner Anders, A.B., 1948 University of Rochester
 Dorothy May Asbury, B.A. 1947 and M.A. 1948 Montana State University
 Jane Desmond Barr, B.A. 1948 University of Wisconsin
 Sara Helen Beeler, A.B. 1947 Cornell University
 Barbara Jackson Beller, A.B. 1950 Hunter College of the City of New York
 Katherine Feng-yi Chang, B.A. 1950 Ohio Wesleyan University
 Ivy Chun, A.B. 1947 Hunter College of the City of New York
 Josephine Lane Doughton, A.B. 1942 Mount Holyoke College, A.M. 1950 University
 of North Carolina
 Mary Alma Easterbrook, B.A. 1935 University of Manitoba
 Helen Elizabeth Frazee, A.B. 1944 Brenau College
 Dorothy Elizabeth Gibson, B.SC. IN SOC. ADM. 1944 Ohio State University
 Thelma Baldassarre Goldberg, A.B. 1947 Bryn Mawr College
 Elta Ferebee Green, A.B. 1948 Randolph-Macon Woman's College
 Helen Lakin Guest, A.B. 1948 Duke University
 Jane Rebecca Flagg Guise, A.B. 1950 Tufts College
 Betty Lyle Harker, B.A. 1942 Lawrence College, M.A. 1947 Northwestern University
 Ursula Heineman, A.B. 1950 Brown University
 Beverly Chalker Hunter, A.B. 1932 Hollins College
 Gloria Kass, B.SC. IN SOC. ADM. 1948 Ohio State University
 Gloria Joy Kleinman, A.B. 1950 Hunter College of the City of New York
 Margaret Shizue Kunishige, B.A. 1949 Illinois Wesleyan University
 Marie Adelaide Lawrence, A.B. 1945 Vassar College
 Mary Elizabeth Lee, A.B. 1950 University of Pittsburgh
 Nancy Jean Lein, A.B. 1949 University of California
 Patricia Anne Lynch, A.B. 1949 University of Rochester
 Anne Margaret Henderson Macdonald, Certificate in Social Study 1941 and Certif-
 icate in Psychiatric Social Work 1947 University of Edinburgh
 Janet Gertrude MacMillan, A.B. 1950 Antioch College
 Mary Alice Mally, B.A. 1947 University of Washington
 Jean Elizabeth Markham, B.A. 1945 St. Joseph College
 Phyllis Mary O'Connor, A.B. 1945 New York State College for Teachers (Albany)
 Margaret Elizabeth O'Hanlon, B.S. 1937 University of Minnesota
 Ruth Roberts Rehbock, A.B. 1946 San Jose State College
 Marilyn Weiss Rosenthal, A.B. 1950 Hunter College of the City of New York
 Anne Tully Ruderman, A.B. 1948 Antioch College
 Charlotte Deutsch Salinger, 1933 University of Leipzig

1952 AWARDS

Saundra Schultz, A.B. 1950 New York University

Julie Ferver Simon, A.B. 1945 New York University

Geraldine Turner Smith, A.B. 1943 Hunter College of the City of New York, A.M. 1947
Columbia University

Elaine Spence, B.A. 1932 University of Wisconsin

Agnes Williams Spencer, A.B. 1939 Bryn Mawr College

Frances Reid Steele, B.A. 1941 Furman University

Gertrude Louise Sullivan, B.S. in S.S. 1937 Boston University

Dorothy Beaumont Towsley, A.B. 1946 Skidmore College

Irmgard Rosenzweig Wessel, A.B. 1947 Eureka College

Beulah Ruth Winstel, A.B. 1939 and A.M. 1948 University of Cincinnati

Viola Virginia Young, B.S.S. 1950 Oklahoma College for Women

Smith College School for Social Work

THE STAFF

FLORENCE ROBERTS DAY, M.SC. (Soc. Admin.)	<i>Director Social Casework and Administration</i>
ANNETTE GARRETT, A.M., M.S.S.	<i>Associate Director Social Casework</i>
SOPHIE T. CAMBRIA, PH.D.	<i>Editor of Smith College Studies in Social Work</i>
ELIZABETH CLARK JOHNSON, S.B.	<i>Executive Secretary and Registrar</i>
RUTH BEEBE EMRICK, B.A.	<i>Administrative Assistant</i>
MABEL S. WASSER	<i>Secretarial Assistant</i>
ESTHER H. CLEMENCE, M.S.S.	<i>Supervisor of Field Work Social Casework</i>
GRACE K. NICHOLLS, M.S.S.	<i>Supervisor of Field Work Social Casework</i>
ALFRED J. KAHN, D.S.W.	<i>Supervisor of Social Research Research and Community Organization</i>
NORMAN A. POLANSKY, PH.D.	<i>Supervisor of Social Research Group Work</i>
HERMAN D. STEIN, M.S.	<i>Supervisor of Social Research Cultural Studies</i>
KATHERINE B. BELL, A.M., M.S.S.	<i>Public Welfare</i>
LEONARD D. ERON, PH.D.	<i>Clinical Psychology</i>
YONATA L. FELDMAN, A.M.	<i>Supervision</i>
IRVING KAUFMAN, M.D.	<i>Psychiatry</i>
OTHILDA KRUG, M.D.	<i>Child Psychiatry</i>
JOHN C. LEONARD, M.D.	<i>Medicine</i>
GEORGE E. LODGEN, A.B., LL.B.	<i>Law</i>
JAMES MANN, M.D.	<i>Psychiatry</i>
VIOLA PARADISE, PH.B.	<i>Public Relations</i>
ELIZABETH P. RICE, M.S.	<i>Social Aspects of Medicine</i>
IRMA RITTENHOUSE, A.B.	<i>Economics</i>

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

ORGANIZATION OF THE SCHOOL

The Smith College School for Social Work was organized in 1918 as a graduate school in which to prepare psychiatric social workers for the war emergency. During 1918 and 1919 an intensive course of theory and a period of supervised practice were given to those who were graduated. These at once found their places in hospitals and social agencies. It was soon recognized that an approach to problems of social maladjustment through an understanding of the personalities involved was valid for every form of social casework. The Smith School therefore continued after the war emergency as a graduate professional school of social work and became a charter member of the Council on Social Work Education.

The first decade of the growth of the School corresponded to the period when the mental hygiene movement was enlarging its scope to include not only the better care of cases of mental illness and mental defect, but prevention of delinquency and the development of child guidance clinics. Psychiatric social workers were eagerly sought for the casework staffs of hospitals and community clinics and to carry preventive mental hygiene into courts, schools, and the public services. Social casework is a professional service which requires scientific knowledge and disciplined skill. Competent practice calls for the exercise of judgment and discretion.

EDUCATIONAL PLAN

The educational plan of the Smith College School for Social Work is based on the premise that there is a basic core of knowledge and skill in social work which transcends the specializations. The educational program is so planned as to offer sound orientation in the broad aspects of social work and the development of professional competence in the practice of social casework. Graduates are prepared to hold casework positions in a wide variety of private and public agencies and to advance to supervisory and administrative responsibilities.

Classroom Instruction

Academic study is designed to provide such knowledge from the disciplines of medicine, psychiatry, psychology, law, and the social sciences as is required for the practice of social work. The courses in the methods of social casework integrate this factual knowledge and develop the principles and skills inherent in practice. Other courses in the broad field of social work cover theory and method in such areas as public welfare, child welfare, group work, administration, and community organization. Basic considerations in carrying on research in social casework are reviewed in a course that serves as an introduction for individual work on a thesis.

In order to carry out this educational policy the curriculum consists of a relatively few units of instruction covering basic areas rather than being broken up into many elective courses. For example, the basic course in public welfare aims to develop a sound comprehension of the scope and objectives of the field and to give a working knowledge of the varied individual programs on the federal, state, and local levels

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

as they operate to meet the total needs of individuals. In the same way the casework courses demonstrate the application of casework principles in family casework, child welfare, psychiatric social work, and medical social work.

Courses offered in any one term are planned as a sequence and to achieve a total integration. Emphasis is placed on the discussion rather than the lecture method of teaching in the endeavor to train for independent and resourceful thinking. The educational process is strengthened by the fact that all the students live together on the campus of Smith College during the summer session and thereby are encouraged in continuous group thinking, mutual criticism, and discussion of the problems in the field of social work.

Field Instruction

Field work is an integral part of the curriculum, and academic credit is given for it. Students are assigned to agencies in small groups for a long and continuous practice period. This enables the student to become a participating member of the agency and community, and further the development of a professional attitude and point of view. Responsible participation under guidance during the field work gives opportunity to develop competence and self-reliance in casework practice.

Thirty-five agencies in twenty cities are affiliated with the School. These are located in large urban centers such as Community Service Society in New York, Judge Baker Guidance Center in Boston, and in smaller communities, thereby providing contrasting experience in the two winter field placements. Students are placed under a supervisor who is highly qualified as practitioner and teacher. Members of the staff, administrators, consulting psychiatrists, and research specialists participate in the educational program. These factors assure good theoretical teaching as well as the acquisition of sound and skillful methodology.

Carefully selected and supervised reading is assigned to supplement and enrich the practice period in the field. In addition to individual instruction each agency is asked to offer a weekly seminar throughout the winter.

During the field work period thesis subjects are selected and worked on under the guidance of members of the School faculty. The preparation of a thesis is regarded as part of a student's training for a profession that looks to research for advancement of its theory and practice.

Continuous supervision from the School is maintained throughout the field work period by regular visits of faculty.

Curriculum

Plan A, the regular curriculum, covers three summer sessions in academic study on the Smith campus and two winter sessions in field work in agencies selected by and responsible to the School for the educational work.

Plan B covers two summer sessions of academic study at the School and an intervening winter session in field work. It is designed for students who have had ade-

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

quate graduate preparation or satisfactory experience in an approved casework agency.

Plan C admits persons for a single summer session. Full credit will be given toward the degree provided the student is accepted for readmission to complete the course within a period of two years.

The School *Catalogue* giving full details for the coming year will be sent upon request.

Degrees

The Trustees of Smith College, on the recommendation of the staff, grant the degree of Master of Social Science (M.S.S.) on the following conditions: (a) Completion of the period of residence, namely, a minimum of five quarters of full-time work. (b) Satisfactory completion of the courses required, unless exempted by examination when advanced work may be substituted. (c) Satisfactory completion of a thesis.

Admission

The Smith College School for Social Work is open to women graduates of approved colleges who have completed at least twenty semester hours in the social and biological sciences. Inquiries and requests for applications for admission should be addressed to the Director, Smith College School for Social Work, Northampton.

Expenses

The fee for each summer session is \$350 which covers tuition, room, and board. For each winter session the fee is \$125.

During the periods of field work the students are personally responsible for their own maintenance and may not accept salaried positions.

Scholarships

Scholarship aid is available during the winter sessions. Certain state hospitals offer internships which cover all living expenses of students; field work agencies grant a number of scholarships to apply toward maintenance. Several stipends at \$1,600 each are given by the National Institute of Mental Health for students in the second year.

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

Calendar 1953-55

First Session	June to September 1953
Second Session	September 1953 to June 1954
Third Session	June to September 1954
Fourth Session	September 1954 to June 1955
Fifth Session	June to September 1955

Seminars

The School offers a series of two-week seminars in July open to experienced social workers, and limited to twenty-five members. The seminars are conducted on the discussion method under the leadership of outstanding practitioners.

PROGRAM OF ADVANCED STUDY

(Third Year)

This program of twelve months, July to July, is designed for experienced graduate caseworkers in preparation for practice, supervision, teaching, and administration. It is assumed that candidates undertaking this advanced curriculum will be preparing for positions of increased responsibility and leadership.

The program consists of formal course instruction, supervised clinical experience, and independent study. Seminars in casework and psychiatry are designed to improve the student's mastery of casework principles through a more thorough understanding of the dynamics of personality and social environment and of treatment methods. Seminars in teaching method and administrative process examine the educational and psychological principles involved. Agencies, clinics, and hospitals that are outstanding as teaching centers are used for field work.

The course is open to graduates of approved schools of social work who are well prepared in psychiatrically oriented casework, and who, following graduation, have had a minimum of three years of successful experience in a qualified casework agency.

The Board of Trustees of Smith College, upon the recommendation of the Faculty, will grant a diploma to students who satisfactorily complete the course.

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Summary of Students in College

1952-1953

FRESHMAN CLASS (1956)	642
SOPHOMORE CLASS (1955)	561
JUNIOR CLASS (1954)	514
France	31
Guest students	6
Geneva	31
Guest students	5
Italy	4
Guest students	7
Spain	2
Guest students	5
Toronto	3
SENIOR CLASS (1953)	466
Out of residence	6
TOTAL UNDERGRADUATES	2183
GRADUATE STUDENTS	86
NONCOLLEGIATE STUDENTS	16
NONRESIDENT FELLOWS AND SCHOLARS	8
TOTAL	2293

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

	Class of 1956	Class of 1955	Class of 1954	Class of 1953	Graduate Students
Alabama		1		1	1
Arizona		1	1	1	
Arkansas	1	1			
California	5	12	7	8	
Colorado	4	8	5	6	
Connecticut	63	45	53	40	1
Delaware	4	3	3	1	
District of Columbia	7	10	10	3	
Florida	2	3	6	3	
Georgia	1	2		3	
Illinois	28	25	16	28	3
Indiana	3	6	3	4	1
Iowa		1	1	2	
Kansas	1		1	1	
Kentucky	6	3		5	
Louisiana		1	1		
Maine	3	4	7	3	
Maryland	7	8	5	6	
Massachusetts	98	82	69	82	14
Michigan	11	12	11	7	
Minnesota	6	9	5	7	
Mississippi			1		
Missouri	15	11	8	8	
Montana	1		1		
Nebraska	2		2		1
New Hampshire	4	4	3	5	
New Jersey	59	42	38	33	1
New Mexico		1	1		
New York	192	133	119	109	10
North Carolina	1	2		1	
Ohio	35	39	26	25	2
Oklahoma	2	3	4	2	
Oregon		1	3	2	
Pennsylvania	29	43	22	34	2
Rhode Island	7	9	6	3	1
South Carolina		2	4	1	1
Tennessee	3	2	2	1	
Texas	11	6	10	3	

GEOGRAPHICAL DISTRIBUTION

Utah	1				
Vermont	5	2	4	4	
Virginia	5	3	3	5	1
Washington	5	3	4		
West Virginia	1	3			
Wisconsin	6	5	8	5	
Wyoming			1		
	<hr/> 634	<hr/> 551	<hr/> 474	<hr/> 452	<hr/> 39
Argentina		1			1
Austria			1		1
Bolivia			1		
Brazil	1				
British Malaya				2	
Canada	2	2	5		2
Canal Zone				1	
Chile			1		
China					1
Cuba				1	
Denmark					1
Egypt					1
France	1			1	3
Germany			1		
Wales, G.B.					1
Greece			3	1	
Guatemala	1	1	1	1	
Hawaii		1	3		1
Holland				1	
India					1
Iran					1
Korea	1				
Lebanon				1	
Mexico	2	1	1		
Philippines				1	2
Sweden				1	
Thailand				1	
Venezuela		1			
	<hr/> 642	<hr/> 558	<hr/> 491	<hr/> 464	<hr/> 55

Schedule of Midyear Examinations for the Year 1953-54

This schedule should be consulted before courses are elected.

The term "sectioned course" as used in this schedule means a course in which there are no hours of meeting in common for all the students of the course. Examinations for courses not included will be arranged before the examination period.

	<i>Wed. Jan. 20</i>	<i>Thurs. Jan. 21</i>	<i>Fri. Jan. 22</i>	<i>Sat. Jan. 23</i>	<i>Mon. Jan. 25</i>
8:00-10:20	All classes scheduled for Th F S 10 except sectioned courses	General Literature 291 Hygiene 11a	All classes scheduled for W Th F 2 except sectioned courses	Mathematics 12 Mathematics 13 Mathematics 21 Mathematics 22a	All classes scheduled for Th F 4 except sectioned courses
10:30-12:50	All classes scheduled for Th F S 12 except sectioned courses	All classes scheduled for Th F S 9 except sectioned courses	All classes scheduled for M T W 2 except sectioned courses	French 11D French 12 French 13 French 16 French 26	All classes scheduled for M T W 12 except sectioned courses
2:30-4:50	German 11 German 11D German 12 German 26	All classes scheduled for M T 4 except sectioned courses	History 11	All classes scheduled for M T W 3 except sectioned courses	Physics 11 Physics 12 Theatre 12

Schedule of Midyear Examinations for the Year 1953-54

Continued

	<i>Tues. Jan. 26</i>	<i>Wed. Jan. 27</i>	<i>Thurs. Jan. 28</i>	<i>Fri. Jan. 29</i>
8:00-10:20	French 22a	Philosophy 11 Philosophy 24	All classes scheduled for W Th F 3 except sectioned courses	Music 11 Music 21 Music 22
10:30-12:50	Psychology 11a Psychology 12	All classes scheduled for Th F S 11 except sectioned courses	Speech 11a Speech 14 Speech 22a	All classes scheduled for M T W 10 except sectioned courses
2:30-4:50	All classes scheduled for M T W 11 except sectioned courses	Economics 21	All classes scheduled for M T W 9 except sectioned courses	Italian 11 Italian 11D Spanish 11 Spanish 11D Spanish 12 Spanish 16 Spanish 25

INDEX

- Academic divisions, 28, 38
- Academic Record, 43
- Acceleration, 38
- Administrative Officers, 18
- Admission, 34
 - Advanced standing, 37
 - Entrance requirements, 34, 35
 - Entrance tests, 35, 36
 - Foreign students, 37
 - Graduate students, 141
 - Noncollegiate students, 37
- Advisers, 27
- Alumnae Association Officers, 176
 - Presidents of Clubs, 177
- American Studies major, 137
- Architecture & Landscape Architecture
 - courses, 49, 50, 51, 52, 53
- Art courses, 49
- Astronomy courses, 54
- Auditors, 37, 45
- Awards, 158
- Bacteriology courses, 97; major, 138
- Biblical Literature courses, 119
- Bills, 2, 147
- Board, 147, 148, 149
- Botany courses, 56
- Buildings, 144
- Buildings & Grounds, Department of, 25
- Calendar, College, 5; yearly, 4
- Certificate for Foreign Students, 141
 - of Graduate Studies, 166
- Chemistry courses, 59
- Child Study courses, 68
- Classical Languages & Literatures, 62
- Classics courses, 64
- College Board tests, 35; regulations, 36
- College Transfer Test, 37
- Committees, Faculty, 26
- Cooperative houses, 146, 148, 149
- Correspondence, Names for, 2
- Counselors, Board of, 6
- Courses of Study, 46
- Curriculum, 38
- Dance courses, 110, 132
- Day School, 24, 31
- Deaf, Teaching of the, 71
- Dean's List, 43
- Degrees conferred 1953, 160, 166, 167, 168
- Degrees, Requirements for
 - Bachelor of Arts, 38
 - Doctor of Philosophy, 141
 - Master of Arts, 141
 - Master of Education, 141
 - Master of Science in Physical Education, 111, 141
 - Master of Social Science, 174
- Deposits, 34, 41
- Divisions of the curriculum, 38
- Economics courses, 65
- Education courses, 68
- Election of courses, 44, 45
- Elisabeth Morrow Morgan Nursery
 - School, 24, 31, 145
- English courses, 72; requirement, 39
- Entrance requirements, 34, 35; tests, 35, 36, 37
- Examination schedules, 186
- Exclusion from college, 44, 110
- Expenses, 41, 147, 174
- Faculty, 7
- Failures, 44, 110
- Fees, for auditors, 37
 - Graduation, 147
 - Gymnasium suits, 147
 - Junior Year Abroad, 41
 - Noncollegiate students, 37
 - Practical music, 147
 - Practice rooms, 147
 - Registration, 34, 147
 - Scholastic Aptitude & Achievement Tests, 36
 - School for Social Work, 174
 - Sports, 110, 147
- Fellowships, 141, 149
- First Group Scholars, 159
- Foreign Students, 37, 141
- French courses, 77
- Freshman requirements, 39
- Geographical distribution of students, 184
- Geology and Geography courses, 80
- General Literature major, 137
- Genetics Experiment Station, 23, 56
- Genetics courses, 58, 135, 136
- German courses, 84
- Government courses, 87
- Grades, 38, 43, 44
- Graduate Study, 141
- Greek courses, 62, 120
- Gymnasium suits, 110, 147

- Heads of House, 25, 143
- Health, 143
- Health Service, 21
- Hebrew course, 120
- History courses, 90
- History of Smith College, 29
- Honors, 43; conferred, 165, 168
- Houses, 142, 146
- Hygiene courses, 96; requirement, 39, 96
- Infirmery, 21, 22
- Insurance, 143
- Interdepartmental courses, 47, 48
- Interdepartmental majors, 40, 137
- Italian courses, 98
- Junior requirements, 40
- Junior Year Abroad, 31, 41
- Key to symbols and abbreviations, 7, 46
- Language houses, 32, 146
- Language requirement, 39
- Latin courses, 63
- Library, 22, 23, 144
- Loans, 149
- Major, the, 40
- Mathematics courses, 100
- Midyear Examination schedule, 186
- Minimum of hours, 37, 38, 40, 45
- Museum of Art, 23, 144
- Music courses, 102
 - Entrance requirements, 105
 - Fees for practical music, 147
- Noncollegiate students, 37
- Nursery School, 24, 31, 145
- Phi Beta Kappa Society, 44
- Philosophy courses, 107
- Physical Education courses, 110
 - Courses in Teacher Training, 111
 - Requirement, 110
- Physics courses, 113
- Physiological Chemistry major, 139
- Plant, 144
- Portuguese courses, 127
- Premedical Science major, 139
- Prizes, 155, 158
- Professional Schools, preparation for, 138
 - 139, 140
- Psychology courses, 116
- Radio course, 130
- Reading Clinic, 68
- Readmission, 37
- Registrar's List, 44
- Registration, 34; for freshmen, 5
- Religion courses, 119
- Religious life, 143, 146
- Requirements for Admission, 34, 35, 36, 37
 - College requirements, 38, 39, 40
- Residence, 142; required, 37
- Residence scholarships, 148
- Riding fees, 110, 147
- Room assignments, 34, 142
- Rules for election of courses, 44, 45
- Russian courses, 122
- Scholars, List of, 159
- Scholarship, 43
- Scholarships, 148, 174
 - Endowed, 150
 - First Group, 148
 - Residence, 148
- Scholastic Achievement Tests, 35
 - Aptitude Tests, 35
- Self-help, 149
- Senior requirements, 40
- Shortage of hours, 37, 44, 45
- Sigma Xi, Society of the, 44
- Signs and abbreviations, 7, 46
- Smith College Day School, 24, 31, 145
- Social Work, School for, 24, 171
 - Degrees conferred, 169
- Sociology courses, 124
- Sophomore requirements, 39
- Spanish courses, 127
- Speech courses, 130
- Sports fees, 110, 147
- Students' Aid Society, 2, 149
- Students, summary of, 183
- Teaching Fellows, 17
- Teaching fellowships, 141
- Teaching requirements, 68
- Theatre courses, 132
- Trustees, Board of, 6
- Tuition, 147
- Visitors, 2
- Vocational counseling, 143; Office, 21
- William Allan Neilson Chair, 33
- Withdrawal from college, 34
- Zoology courses, 134

Smith College Bulletin

The Catalogue Number
1953-1954

WITH ANNOUNCEMENT OF COURSES
FOR 1954-1955

NORTHAMPTON, MASSACHUSETTS

Visitors

Visitors are always welcome at the College. Student guides, whose headquarters are College Hall 1, are available for conducting tours of the campus. Their services may be reserved in advance by application to the Board of Admission.

Candidates for admission and pre-college students are urged to secure appointments in advance with the Director or Assistant Director of Admission and, if they are interested in scholarship and self-help opportunities, with the Director of Scholarships and Student Aid.

Administrative offices in College Hall are open Monday through Friday from 8:30 A.M. to 4:30 P.M. At other times, including holidays, officers and staff are available only if an appointment is made in advance.

Correspondence

Inquiries of various types concerning Smith College may be made of the following officers and their staffs, either by mail or by interview. The post office address is Northampton, Massachusetts.

ADMISSION OF STUDENTS: Mrs. Ruth W. Crawford, *Director*

RESIDENCE & GENERAL WELFARE OF STUDENTS: Mrs. Sidney A. Cook, *Warden*

SCHOLARSHIPS & SELF-HELP: Miss Mary E. Mensel, *Director*

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Miss Charlotte H. Fitch, *Dean of the Class of 1955*

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Miss Helen L. Russell, *Dean of the Class of 1958*

PUBLICATIONS: Mrs. Neil Chapin, Jr., *Secretary for Publications*

LOANS FROM STUDENTS' AID SOCIETY: Miss Eleanor T. Lincoln, 54 Prospect Street

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PUBLIC RELATIONS: Miss Helen P. Kirkpatrick, *Assistant to the President*

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TABLE OF CONTENTS

Visitors, Correspondence	2
Calendar for 1954, 1955	4
College Calendar	5
The Board of Trustees	6
The Board of Counselors	6
Officers of Instruction and Administration	7
Standing Committees of the Faculty	27
History of Smith College	30
Admission of Undergraduates	35
The Curriculum	39
Courses of Study	48
Interdepartmental Courses	49
Departmental Courses	51
Interdepartmental Majors	139
Graduate Study	144
General Information	145
The College Community	145
Expenses	150
Scholarships and Financial Aid	151
Endowed Scholarships and Prizes	153
Awards, Honors, and Degrees	162
Smith College School for Social Work	175
The Alumnae Association	180
Statistical Summary of Students in College	185
Midyear Examination Schedule for 1954-55	188
Index	190

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College Calendar

SECOND SEMESTER 1953-1954

MONDAY, FEBRUARY 1, Second Semester begins
FRIDAY, FEBRUARY 19, Meeting of the Board of Trustees
WEDNESDAY, MARCH 24, 3:50 P.M. to THURSDAY, APRIL 8, 9:00 A.M., Spring Recess
FRIDAY, APRIL 23, Meeting of the Board of Trustees
MAY 11-20, Reading Period
MAY 12, 9:00 A.M., Senior Examinations
FRIDAY, MAY 21, Free Day
MAY 22-JUNE 1, Final Examinations
SUNDAY, JUNE 6, Meeting of the Board of Trustees
MONDAY, JUNE 7, Commencement Day

FIRST SEMESTER 1954-1955

SATURDAY, SEPTEMBER 18, Registration for Freshmen
TUESDAY, SEPTEMBER 21, 9:00 A.M., First Chapel and Required Registration
WEDNESDAY, SEPTEMBER 22, 9:00 A.M., Classes begin
A DAY AFTER OCTOBER 4, Mountain Day (*holiday*)
FRIDAY, OCTOBER 15, Meeting of the Board of Trustees
WEDNESDAY, NOVEMBER 24, 12:50 P.M. to MONDAY, NOVEMBER 29, 9:00 A.M., Thanksgiving Weekend
FRIDAY, DECEMBER 17, 12:50 P.M. to TUESDAY, JANUARY 4, 9:00 A.M., Winter Recess
JANUARY 10-17, Reading Period
MONDAY, JANUARY 17, Classes follow Wednesday schedule
TUESDAY, JANUARY 18, Free Day
JANUARY 19-28, Midyear Examinations

SECOND SEMESTER 1954-1955

MONDAY, JANUARY 31, Second Semester begins
FRIDAY, FEBRUARY 18, Meeting of the Board of Trustees
WEDNESDAY, MARCH 30, 3:50 P.M. to THURSDAY, APRIL 14, 9:00 A.M., Spring Recess
FRIDAY, APRIL 15, Meeting of the Board of Trustees
MAY 10-19, Reading Period
MAY 11, 9:00 A.M., Senior Examinations
FRIDAY, MAY 20, Free Day
MAY 21-31, Final Examinations
FRIDAY, JUNE 3, Meeting of the Board of Trustees
MONDAY, JUNE 6, Commencement Day

OPENING OF COLLEGE 1955-1956

SATURDAY, SEPTEMBER 17, Registration for Freshmen
TUESDAY, SEPTEMBER 20, 9:00 A.M., First Chapel and Required Registration
WEDNESDAY, SEPTEMBER 21, 9:00 A.M., Classes begin

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1959 PAUL HERMAN BUCK, PH.D., LL.D., LITT.D.	Cambridge
1960 JUSTINA HAMILTON HILL, M.S., SC.D. (hon.)	New York
1961 POMEROY DAY, B.A., LL.B.	Hartford
1963 HAZEL WINANS COE, A.B.	Waterbury
1954 AMANDA BRYAN KANE, A.B. (<i>Chairman</i>)	New York
1956 DOROTHY FOSDICK, PH.D., LL.D.	Washington
1958 EMILY CRABBE BALLOU, A.B.	Wellesley Hills
1960 ANNE CUTTER COBURN, M.A.	Cleveland
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Professor Emeritus of Philosophy (1930)

Professor Emeritus of Mathematics (1931)

*Professor Emeritus of English Language
and Literature (1932)*

Professor Emeritus of Physics (1933)

*Associate Professor Emeritus of Chem-
istry (1933)*

*Associate Professor Emeritus of English
Language and Literature (1934)*

*Professor Emeritus of German Language
and Literature (1937)*

*Associate Professor Emeritus of Latin
Language and Literature (1937)*

*Professor Emeritus of Spanish Language
and Literature (1939)*

*Professor Emeritus of French Language
and Literature (1940)*

College Archivist Emeritus (1940)

*Professor Emeritus of Classical Languages
and Literatures (1942)*

*Professor Emeritus of Classical Languages
and Literatures (1943)*

Librarian Emeritus (1943)

Warden Emeritus (1944)

*Associate Professor Emeritus of French
Language and Literature (1944)*

Associate Professor Emeritus of Art (1944)

*Professor Emeritus of English Language
and Literature (1946)*

Professor Emeritus of History (1946)

Key for superscripts used in this section: † Absent for the year; * absent for the first semester; ** absent for the second semester; || with the Juniors in France; ‡ in Spain; § in Geneva; | in Italy; ¹ appointed for the first semester; ² appointed for the second semester.

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Professor of Sociology

*Visiting Professor of English Language
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Professor of Zoology

Professor of Music

*Professor of English Language and
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*Professor of English Language and
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Professor of Music

*Professor of History on the Dwight W.
Morrow Foundation*

Professor of History

*Professor of German Language and
Literature*

*College Archivist, Executive Secretary
Friends of the Library, Director of
the Sophia Smith Collection*

*Professor of French Language and Litera-
ture*

*Professor of French Language and Lit-
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Librarian

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*Professor of Spanish Language and Lit-
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Professor of Art

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Accompanist for Theatre-Dance
Assistant to the Chaplain
Accompanist in Voice
Administrative Assistant in Physical Education
Assistant Music Librarian
Assistant in Reading Clinic
Secretarial Assistant in Geology and Geography
Secretarial Assistant in Music
Accompanist in Physical Education
Assistant in Economics
Clerical Assistant in Chemistry
Secretarial Assistant in Physical Education
Secretarial Assistant in Physics
Curator of Slides, Art Department
Technician in Physics
Assistant Director of Reading Clinic and Assistant in Education and Child Study
Photographer, Art Department
Executive Secretary in Music
Administrative Assistant in Theatre
Assistant in History
Assistant in Psychology

OLIVIA C. DEITH
ANNA M. DRAGON
¹MARY ALICE FITZPATRICK, B.A.
SHIRLEY B. GOLDBERG, B.S.
RUTH BUCZALA HOLICH

OLIVE P. HOXIE
ERNA GOLDSTAUB HUBER
CHARLES LOOMIS JOURDIAN
ROBERT FARRAR KINDER, A.M.

MARJORIE DEWOLF LAURENT, A.A.
GERTRUDE E. LEARY
NORMA MONICA LEAS, A.B., S.B.
BETTY LOU MILLER, A.B.
JOANNA ELIZABETH MILLER, A.B.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

MARGARET KOONS MILLER, B.A.

LEONORA PAGE

RUTH WILHELMINA THERIEN

²ADAH D. WEST

^{**}IRENE SARRINGWHITE, C.E.,

DIPLOM-CHEMIKER

BEATRICE W. WINNE

ELEANOR WHITE ZAPATA, A.B.

Assistant in Art

Assistant in Zoology

Accompanist in Physical Education

Assistant in Reading Clinic

Research Assistant in Physics

*Secretarial Assistant in Education and
Child Study*

Clerical Assistant in Art

SECRETARIES AND OFFICE ASSISTANTS

OFFICE OF THE PRESIDENT

Eleanore Weidhaas Carey

Lorna M. Sears

Pauline Cardinal Walker

Secretarial Assistant

Secretarial Assistant

Secretarial Assistant

OFFICE OF THE DEAN

Janet S. Aaron, A.B.

Clerical Assistant

OFFICE OF THE WARDEN

Mary Hannigan Hennessy

Administrative Assistant

OFFICE OF THE REGISTRAR

Dorothy Gillern Saner

Helen Elizabeth Roche Bridgman

Bernice A. Foxx

Marcella Frances Shea

Administrative Assistant

Clerical Assistant

Secretarial Assistant

Clerical Assistant

OFFICE OF THE CLASS DEANS

Jeanne E. Harlow

Lillian Gardiner Taft

Secretarial Assistant

Secretarial Assistant

OFFICE OF THE BOARD OF ADMISSION

Helen Josephine Drake

Alice Brisbois Brushway

Marion Fairchild, A.B.

Administrative Assistant

Secretarial Assistant

Secretarial Assistant

OFFICE OF THE TREASURER

Lois Florence Friedrich, B.S.

Elizabeth Ahearn Cassado

Eileen Dorothy Clifford

Marian Bryant King

Anna Barbara Kuzeja

Amelia Liebl Mamulski

Marion Dorothy Passa

Beverly J. Waters

Administrative Assistant

Clerical Assistant

Clerical Assistant

Clerical Assistant

Clerical Assistant

Clerical Assistant

Clerical Assistant

Clerical Assistant

OFFICE OF THE PURCHASING AGENT

Mary Magdalene Brick

Clerical Assistant

OFFICERS OF INSTRUCTION AND ADMINISTRATION

Barbara Laselle Brousseau
Marjorie Josephson Lang
Evelyn Ely Tremaine
Harriette Barlow Wood

Clerical Assistant
Clerical Assistant
Secretarial Assistant
Clerical Assistant

OFFICE OF SCHOLARSHIPS AND STUDENT AID

Katharine Z. Fry

Secretarial Assistant

VOCATIONAL OFFICE

Mildred Lloyd Laprade
Lorraine E. Keller
Dorothy White Nelson
Lillian Anna Pawlikowski

Administrative Assistant
Secretarial Assistant
Secretarial Assistant
Secretarial Assistant

PUBLIC RELATIONS OFFICE

Irene Wade O'Donnell, A.B.
Dorothy Irving Crossley, A.B.

Secretarial Assistant
Photographer

NEWS OFFICE

Matilda Adams

Clerical Assistant

EMPLOYMENT OFFICE

Vera Rantanen Fungaroli

Secretarial Assistant

CENTRAL DUPLICATING AND STENOGRAPHIC DEPARTMENT

Evelyn Beliveau Cannon
Marjorie W. Carlson
Barbara M. Mason

Secretarial Assistant
Clerical Assistant
Secretarial Assistant

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K. FRANCES SCOTT, PH.B., M.D.
FRANCES CAMPBELL McINNES, A.M., M.D.
MARGARET SYBIL MELCHER, A.B., M.D.
ANNE ELIZABETH VAN DYKE, B.A., M.D.
EDITH C. STACKPOLE, A.B.
HAZEL HAWTHORNE BOWLES, R.N., M.A.
VIRGINIA B. DELANEY
ALMA GRAVES CORT, R.N.
LUCILLE HOLLAND BUTLER

College Physician
Associate Professor of Hygiene
Associate Physician
Assistant Physician
Assistant Physician
Director of the Health Service Clinic
Public Health Nurse
Administrative Assistant
Office Nurse
Clerical Assistant

THE INFIRMARY

DOROTHY ADELINE HUEY, A.B., B.N., R.N.
WILHELMINA POOR, MUS.B., R.N.
ETHEL M. MACBURNLEY
CATHERINE DANOS, B.SC.
MURIEL EATON WHITLOCK, B.S., M.T.

Director of Nursing and of the Infirmary
Nursing Assistant to the Director
Administrative Assistant to the Director
Dietitian
Laboratory Technician

OFFICERS OF INSTRUCTION AND ADMINISTRATION

BETTY BOUCHER	<i>Assistant Laboratory Technician</i>
GLADYS D. MARTIN	<i>Housekeeper and Nursing Assistant</i>
LUCIA SMITH BELDING	<i>Receptionist and Clerical Assistant</i>
HILDA CLARY MINSHALL, R.N.	<i>Head Nurse</i>
ANNETTE FISCHER, R.N.	<i>Head Nurse</i>
ELIZABETH VICKERS ABARNO, R.N.	<i>Nurse</i>
KATHRYN CUSHWAY, R.N.	<i>Nurse</i>
PRISCILLA EAMES, R.N.	<i>Nurse</i>
SHEILA GALLIVAN, R.N.	<i>Nurse</i>
VIRGINIA LAWLER, R.N.	<i>Nurse</i>
MARGARET O'DONNELL, R.N.	<i>Nurse</i>
MARY VEZINA, R.N.	<i>Nurse</i>
MARGARET A. GARVEY	<i>Nurse</i>

THE LIBRARY

MARGARET LOUISE JOHNSON, A.B., B.S.	<i>Librarian</i>
DOROTHY KING, A.M.	<i>Curator of Rare Books</i>
RUTH RICHASON RICHMOND, A.B.	<i>Assistant in Charge of Gifts and Exchanges</i>
MARY GOREY GRANT	<i>Assistant in Charge of Department Libraries</i>
THELMA ELAINE LATHAM	<i>Secretarial Assistant</i>
AGNES WRIGHT HOWLAND	<i>Clerical Assistant Gifts and Exchanges and Serials Department</i>
AMELIA WHITING TYLER, A.B.	<i>Adviser to House Librarians</i>
CATALOGUE DEPARTMENT	
Mildred C. Straka, A.B., M.S.	<i>Head Cataloguer</i>
Leona Hibbard Chunglo, B.A., S.B.	<i>Cataloguer of Department Libraries</i>
Ethelyn Arlene Aldrich, A.M.	<i>Assistant Cataloguer</i>
Ruth Fairchild Martin, A.M., M.S.	<i>Assistant Cataloguer</i>
Shirley Betsold Zachazewski	<i>Assistant</i>
Carolyn Hyland Barrett	<i>Assistant</i>
Irene Gesorek Wnukoski	<i>Clerical Assistant</i>
Anita Marie Tautznik	<i>Clerical Assistant</i>
CIRCULATION DEPARTMENT	
Virginia Thompson Rogers, A.B., B.L.S.	<i>Assistant Librarian and Head of Circulation Department</i>
Ruth Strong Noble, PH.B.	<i>First Assistant</i>
Sally Knight Kroll	<i>Assistant</i>
Mary Pollard Sullivan, A.B.	<i>Assistant</i>
Lillian Cushner Steinberg	<i>Assistant</i>
Emma Nogrady Kaplan, B.S.	<i>Assistant</i>

OFFICERS OF INSTRUCTION AND ADMINISTRATION

RESERVE BOOK ROOM

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Rosamond Levard French
Jean Salomon Emerson

Head of Reserve Book Room
Assistant
Clerical Assistant

DOCUMENTS DEPARTMENT

Elsa Jillson Nichols
Nancy Parker Kemper

Head of Documents Department
Assistant

ORDER DEPARTMENT

Edith Margaret Libby, A.B., A.M.L.S.
Gladys Davenport Wheeler
Dorothy Knight Crone, A.B.

Head of Order Department
Assistant
Assistant

REFERENCE DEPARTMENT

Louise Alcott Addison, B.S.

Assistant Reference Librarian

SERIALS DEPARTMENT

Grace Frances Holt, B.A., B.L.S.
Frona Rice, A.M.

Head of Serials Department
Assistant

ARCHIVES AND ASSOCIATION OF FRIENDS OF THE LIBRARY

Margaret Storrs Grierson, PH.D.

*Archivist, Executive Secretary Friends
of the Library, Director of the Sophia
Smith Collection*

Ransom Waterman
Grace Barnes Howes

Research Assistant
Secretarial Assistant

THE SMITH COLLEGE MUSEUM OF ART

HENRY-RUSSELL HITCHCOCK, A.M.

Director

MARY BARTLETT COWDREY, A.B.

Assistant Director

M. EVELYN ROE

Curatorial Assistant

WILDA M. CRAIG

Receptionist

FLORENCE ROE HOWARD

Receptionist

SHIRLEY R. JONES

Secretarial Assistant

SMITH COLLEGE GENETICS EXPERIMENT STATION

ALBERT FRANCIS BLAKESLEE, PH.D., SC.D.
(hon.), LL.D.

Director

SOPHIE SATIN, FIRST DEGREE, MOSCOW
UNIVERSITY, SC.D. (hon.)

Assistant Director

AMOS GEER AVERY, M.S.

Research Associate

JACOB RIETSEMA, PH.D.

Plant Physiologist

OFFICERS OF INSTRUCTION AND ADMINISTRATION

FLORENCE L. BARROWS, PH.D.	<i>Research Associate</i>
MARJORIE E. ALDEN, B.S.	<i>Research Assistant</i>
BENIGNA-MARIE BLONDEL, DR.ÈS SCI.BIOL.	<i>Research Assistant</i>
HOPE H. ROBSON, PH.D.	<i>Research Assistant</i>
HIEKE BRINKMAN, BIOL. DOCTORANDA	<i>Research Fellow</i>
EVA KUHN, STUD. REF.	<i>Research Fellow</i>

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

FLORENCE ROBERTS DAY, M.SC. (Soc. Admin.)	<i>Director</i>
ANNETTE GARRETT, A.M., M.S.S.	<i>Associate Director</i>
ESTHER H. CLEMENCE, M.S.S.	<i>Supervisor of Field Work</i>
GRACE K. NICHOLLS, M.S.S.	<i>Supervisor of Field Work</i>
ELIZABETH CLARK JOHNSON, S.B.	<i>Executive Secretary and Registrar</i>
FRANCES GERSTEN	<i>Secretarial Assistant</i>
DOROTHY S. LAVENE	<i>Secretarial Assistant</i>

THE SMITH COLLEGE DAY SCHOOL

HELEN EVANGELINE REES, ED.D.	<i>Director</i>
CAROLYN POMEROY NEWCOMB, A.B.	<i>Assistant to the Director</i>
MARGARET MILLER PEASE, A.M.	<i>Teacher</i>
MARY TEELE CAMPBELL, A.M.	<i>Teacher</i>
CONSTANCE ROBBINS SAYRS, B.S. IN ED.	<i>Teacher</i>
JANICE RAE BROWN, ED.M.	<i>Teacher</i>
LOUISE WHITTIER GILES, A.B.	<i>Teacher</i>
MARGARET SHORTLIDGE, A.B.	<i>Teacher</i>
ANNA KRAATZ EWING, A.B.	<i>Teacher</i>
MURIEL ANNETTE LOGAN, ED.M.	<i>Teacher of Physical Education</i>
KATHERINE JOSSELYN TEPPER	<i>Teacher of Music</i>
RITA ALBERS JULES	<i>Teacher of Art</i>
LAWRENCE ELLIOT BRIGGS, M.S.	<i>Assistant in Recreation</i>
CLAIRE CUTTEN MANWELL, A.B., M.D.	<i>Physician</i>
HAZEL HAWTHORNE BOWLES, R.N., M.A.	<i>Nurse</i>

ELISABETH MORROW MORGAN NURSERY SCHOOL

EVELYN M. BEYER, A.M.	<i>Director</i>
VIRGINIA CASS, B.S. IN ED.	<i>Teacher</i>
DOHENY HACKETT SESSIONS, ED.M.	<i>Teacher</i>
KATHRYN WAGNER RUSE	<i>Teacher</i>

OFFICERS OF INSTRUCTION AND ADMINISTRATION

RUTH E. HUDGINS, A.B.	<i>Assistant</i>
LOURDES BETH HAWKINS, B.S.	<i>Apprentice</i>
CLAIRE CUTTEN MANWELL, A.B., M.D.	<i>Physician</i>
HAZEL HAWTHORNE BOWLES, R.N., M.A.	<i>Nurse</i>
DORIS J. NUTTELMAN	<i>Secretary</i>

DEPARTMENT OF BUILDINGS AND GROUNDS

GEORGE W. KING	<i>Superintendent</i>
LESLIE H. PACKARD	<i>Office Manager</i>
HAZEL A. CULVER	<i>Secretarial Assistant</i>
MARY KELLOGG	<i>Clerical Assistant</i>
ELIZABETH KING	<i>Clerical Assistant</i>
HELENE M. McKEON	<i>Secretary to the Superintendent</i>
IRENE N. STEFAN	<i>Clerical Assistant</i>
THOMAS RUDDY, JR.	<i>Secretarial Assistant</i>

WILLIAM I. P. CAMPBELL	<i>Horticulturist</i>
RAYMOND J. PERRY	<i>Superintendent of the Laundry</i>

HEADS OF HOUSE

MARY HAMMOND BOND	<i>Comstock House</i>
MARTHA MARCELLE BREAKEY	<i>Franklin King House</i>
PATRICIA PARKS BUTTERFIELD, A.B.	<i>Jordan House</i>
HELEN WOODS CHANDLER	<i>Laura Scales House</i>
VIRGINIA CHRISTIE	{ <i>Haven House</i>
	{ <i>Wesley House</i>
EDITH GILL CHUBB	<i>Baldwin House</i>
DOROTHY DEVEREUX CURTIN	{ <i>Capen House</i>
	{ <i>Capen Annex</i>
ALICE SAWIN DAVIS, A.B., B.S.	<i>Hopkins Group</i>
ELIZABETH C. DAVIS	{ <i>Dewey House</i>
	{ <i>Clark House</i>
ELIZABETH CURTISS DE CERVANTES, A.B.	<i>Henshaw Group</i>
CLARA DE MORINNI, B.A.	<i>Dawes House</i>
REBEKAH WARD ELLIOT	<i>Morris House</i>
JOSEPHINE WOODS ENGLISH	<i>Morrow House</i>
FRANCES SEABERT FINLEY	{ <i>Park House</i>
	{ <i>Park Annex</i>

OFFICERS OF INSTRUCTION AND ADMINISTRATION

HENRIETTA WALTER FRICKE, A.B.
 RUTH BAKER GIBSON
 HELEN LEWIS GOODENOUGH
 ANITA EMMET HALL
 MARIANNE HEINEMANN
 KATHERINE AUSTIN HOLMES
 ROSA ELEONORA VALBORG HORTON
 ELEANOR BURDICK IRWIN, A.B.
 LOUISE JEWELL JENCKS
 ESTELLA CULVER KELSEY
 DORIS ASHTON KING
 MAY IRENE McARTHUR

Gardiner House
Albright House
Martha Wilson House
Wallace House
German House
Sessions House
Northrop House
Ellen Emerson House
Chapin House
Lawrence House
Wilder House
 { *Parsons House*
 { *Parsons Annex*
Tyler House
Gillett House
Director, Davis Student Center
Cushing House
Washburn House
Tenney House
Talbot House
Hubbard House
Fort Hill House
150 Elm Street

HELEN WILLARD MARSHALL
 MARION MORRELL
 KATHRINE MATHILDE OCKENDEN
 JESSIE PROCTOR
 SARA BEAUVAIS ROSENTHALL
 JESSICA JENKS SAUNIER, A.B.
 HELEN PRESTON SAWYER
 EMILY CHAPIN WOOD, A.B.
 ELIZABETH LAIRD YOUNG, A.B.
 MADELEINE RANDALL YOUNG

STANDING COMMITTEES OF THE FACULTY

ORGANIZATION OF THE COLLEGE

COMMITTEES (*elected*)

The President, the Dean, Miss Kenyon (1954)*, Miss Gertrude Smith (1954),
 Mr Scott (1955), Miss Walsh (1955)

TENURE AND PROMOTION (*elected*)

The President, the Dean, Mr Duke (1954), Mr Larkin (1955), Mr Graham
 (1956), Mr Hill (1957), Miss Anslow (1958), Miss Corwin (second semester)

TRUSTEE-FACULTY CONFERENCE (*elected*)

Mr Graham (*chairman*) (1954), Miss Peoples (*secretary*) (1955), Miss Gabel (1956),
 Mr Sherk (*Educational Policy*), Miss Anslow (*Tenure and Promotion*)

*Date indicates end of term of service.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

ADMINISTRATIVE BOARD

The Dean (*chairman*), the Warden, the Class Deans, the Registrar, the College Physician, Mr Crary, Mr Hill, Mr Richard Johnson

CONFERENCE

The President, the Administrative Board, five members of the Student Council, four members of the House of Representatives

BOARD OF ADMISSION

The President (*chairman*), the Dean, Mrs Crawford, Miss Sehmman, Mrs Marsh, Miss Bacon, Mr Bragdon, Miss Burt

REGISTRATION OF STUDENTS

Miss Crook and Mrs Cohen (*co-chairmen*), Mr de Villafranca, Mr Gibian, Miss Jennings, Miss Libby, Miss Mancini, Miss Mathews, Mr May

CURRICULUM AND GUIDANCE OF STUDENTS

EDUCATIONAL POLICY (*elected*)

The President, the Dean (*chairman*), Miss Gabel (1954), †Mr Overstreet (1954), †Miss Young (1954), Mr Davis (1955), Mr McCoy (1955), Mr Sherk (1955), Mr Bragdon (1956), Miss Peoples (1956), Miss Carter (1956). Substitutes for one year: Miss Lincoln, Miss Walsh

BOARD OF ADVISERS

The Dean (*chairman*), Miss Ascher, Miss Bacon, Miss Bourgoin, Mr Bragdon, Miss Carter, Mrs Cohen, Mr Collins, Miss Corwin, Mr Crary, Mr Davis, Mr DeNood, Mr Duke, Mr Fisher, Miss Gabel, Miss Gasool, Mr Gibian, Mr Gotwals, Mr Graham, Mrs Haigh, Mr Hill, Mrs Hobbs, Miss Hornbeak, Miss Horner, Mrs Hoyt, Mr Hoyt, Mr Richard Johnson, Miss Kallmann, Mr Keppler, Mrs Koffka, Mrs Lazerowitz, Mr Lazerowitz, Miss Libby, Miss Lincoln, Mr McCoy, Miss Mohler, Mr Page, Miss Page, Miss Peirce, Miss Peoples, Mr Petersson, Mr Pierce, Miss Robinton, Miss Ruby, Miss Sampson, Mr Schalk, Mr Sherk, Miss Siipola, Miss Silbert, Mr Scott, Miss Elinor Smith, Miss Gertrude Smith, Mrs Taber, Miss TeWinkel, Mrs von Klemperer, Mr von Klemperer, Miss Walsh, Miss Murdoch, Mrs Marsh (*ex-officio*)

HONORS

Miss Wilson (*chairman*), the President, the Senior Class Dean, Miss Bacon, Mr Durham, Mr Pierce, Miss Gertrude Smith, Miss Page

GRADUATE STUDY

Miss Anslow (*chairman*), the President, Miss Ainsworth, Mr Etler, Miss Gabel, Miss Hornbeak, Miss Peirce, Mr Wakeman, Mr Kenneth Wright

†Absent for the year.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

FOREIGN STUDENTS

Miss Peirce (*chairman*), Miss Bourgoïn, Miss Carter, Mr Chinoy, Miss Corwin,
Mr Crary, Miss Navarro, Miss Sturm, Miss Mensel (*ex-officio*)

OTHER COLLEGE BUSINESS

LIBRARY

Miss Sampson (*chairman*), the Librarian, Mr Coe, Mr Patch, Mrs Taber

LECTURES

Miss Siipola (*chairman*), Mr Aaron, Miss Corwin, Mr Sheehan (*secretary*)

MOTION PICTURES

Mr Dowell (*chairman*), Mr Cohen, Miss Kennedy, Miss Peoples, Miss Schnieders,
Mrs Cantarella (*secretary*)

SCHOLARSHIPS

The President (*chairman*), the Dean, the Warden, Miss Mensel, Mr Bodden, Miss
Corwin, Mrs Haigh, Miss Robinton, Miss Peirce (*ex-officio*)

STUDENTS' AID SOCIETY

Mrs Hobbs, Miss Lincoln

HONORARY DEGREES

Miss Anslow (*chairman*) (1954), Miss Dunn (1955), Mr Salvadori (1956)

JUNIPER LODGE

Miss Kenyon (*chairman*), Miss Delano, Miss Gabel, Miss Hiatt, Miss Leland, Mr
Kenneth Wright

FACULTY OFFICES

Mr McCoy (*chairman*), Miss Ascher, Mr Petersson

SPECIAL COMMITTEES

HYGIENE REQUIREMENT

Mr Taylor (*chairman*), Dr Booth, Dr Scott (*secretary*), Miss Horner, Miss Robinton,
Mrs Marsh (*ex-officio*)

MARSHALS

Mr Kenneth Wright (*college marshal*), Mr Fisher, Miss Lincoln, Miss Robinton,
Miss Russell

CHAIRMEN OF ACADEMIC DIVISIONS

I THE HUMANITIES: Miss Corwin

II SOCIAL SCIENCES AND HISTORY: Mr Bragdon

III NATURAL SCIENCES AND MATHEMATICS: Mr Sherck

History of Smith College

Smith College began in the conscience of a New England woman. The sum of money with which the first land was bought, the first buildings erected, and the foundations of the endowment laid had been amassed by a man who, like many Americans, had made a fortune without any apparent ulterior purpose. He seems to have bequeathed it to his sister because he had not made up his mind what else to do with it. Sophia Smith left it for the founding of a college for women because after much perplexity, deliberation, and advice, she had concluded that thus she could best fulfill a moral obligation.

The advice had its inception in the mind of a New England minister. From John Morton Greene, Sophia Smith received suggestions which she pondered and discussed, and from among which she finally accepted that which we must acclaim as the wisest and most beneficent. The idea that Mr. Greene presented and Sophia Smith adopted is clearly expressed in a passage in Sophia Smith's will that must be regarded as their joint production, drafted by him, amended and approved by her. The language is as follows:

I hereby make the following provisions for the establishment and maintenance of an Institution for the higher education of young women, with the design to furnish for my own sex means and facilities for education equal to those which are afforded now in our Colleges to young men.

It is my opinion that by the higher and more thorough Christian education of women, what are called their "wrongs" will be redressed, their wages adjusted, their weight of influence in reforming the evils of society will be greatly increased, as teachers, as writers, as mothers, as members of society, their power for good will be incalculably enlarged.

Later, after enumerating the subjects which still form the substance of the curriculum of the College, she adds: "And in such other studies as coming times may develop or demand for the education of women and the progress of the race, I would have the education suited to the mental and physical wants of woman. It is not my design to render my sex any the less feminine, but to develop as fully as may be the powers of womanhood, and furnish women with the means of usefulness, happiness and honor, now withheld from them." She further directed that "without giving preference to any sect or denomination, all the education and all the discipline shall be pervaded by the Spirit of Evangelical Christian Religion."

NOTE:—Among the sources of this account are the historical addresses given by President William Allan Neilson on the Fiftieth Anniversary and by Ada Comstock Notestein '97 (former Dean of Smith and President of Radcliffe) on the Seventy-Fifth Anniversary of the College.

HISTORY OF SMITH COLLEGE

When one considers what would today be regarded as the somewhat narrow and puritanical type of culture in which the authors of these sentences were living, one cannot fail to be impressed by their wisdom, liberality, and farsightedness. The general terms in which the purposes of women's education are defined are perfectly valid today. Provision is made for change of outlook and development in the scope of education. While the fundamentally religious interest of the founder is stressed, the College is kept clear of entanglement with institutional Christianity, and the only prescription is the pervading of instruction by the spirit of the gospel of Jesus Christ. This injunction has been obeyed in the past, we trust and believe it is being obeyed in the present, and there is no reason to believe that it will not be willingly and gladly observed in the future.

I

It is one thing to state an ideal and give a commission, it is another to carry them out. Laureus Clark Seelye in 1873 undertook the presidency of the new college, and in 1875 Smith College was opened with fourteen students. His inaugural address laid down the main lines of educational policy on which the new college was to run, and again it is amazing to note how little these have to be modified to describe the College of today. There is the same high standard of admission, matching that of the best colleges for men, the same breadth in the curriculum, the same emphasis on literature, art, and music. What we are less likely to note is the faith needed to establish these standards and to stick to them in an atmosphere of skepticism and ridicule.

For thirty-five years President Seelye carried the College forward. Its assets grew from the original bequest of about \$400,000 to over \$3,000,000; its faculty from half a dozen to 122; its student body from 14 to 1635; its buildings from three to 35. These figures are a testimony to his remarkable financial and administrative ability, yet they are chiefly important as symbols of a greater achievement. With few educational theories—none of them revolutionary—he had set going a process for the molding of minds and spirits of young women, had supervised the process for a generation, and had stamped upon several thousand graduates the mark of his own ideals and his own integrity.

II

It is hard to follow the king, and the problem which faced President Seelye's successor was no easy one. The growth of the College had acquired a strong momentum, and numbers increased of themselves; Marion Le Roy Burton's task was to perfect the organization for taking care of these numbers. This meant the modernizing of the business methods of the administration, the improvement of the ratio of instructors to students, the raising of salaries to retain and improve the staff, the providing of more adequate equipment, and the revision of the curriculum. The seven years of his service saw the further growth of the College to over

HISTORY OF SMITH COLLEGE

1900 students, the increase of its assets by over \$1,000,000, and substantial progress in educational efficiency. The business reorganization was well begun when in 1917 President Burton accepted the presidency of the University of Minnesota.

III

Now one of the largest women's colleges in the world, Smith College faced problems which it shared with both colleges and universities. President William Allan Neilson set about to develop all the advantages which only a large institution can offer, and at the same time to avoid any disadvantages which might be inherent in the size of the institution. While the number of instructors was constantly increased, the number of students was held to approximately two thousand. With the construction of further dormitories, each one of them housing sixty or seventy students in accordance with the original "cottage plan" of the founders, it became possible for all students to live "on campus." An expanded administrative system provided a separate Dean for each college class, a staff of five resident physicians, and a Director of Vocational Guidance and Placement. In addition, the curriculum was revised under President Neilson's guidance in order to provide a pattern now generally familiar in institutions throughout the country: a broad general foundation in various fields of knowledge followed by a more intensive study of a major subject.

There were other innovations. The School for Social Work resulted from a suggestion that the College give training in psychiatric social work and thus serve in the rehabilitation of veterans of World War I. The Smith College Day School and the Elisabeth Morrow Morgan Nursery School gave students in education a field for observation and practice teaching. The Junior Years Abroad, Special Honors programs, and interdepartmental majors in science, landscape architecture, and theatre added variety and incitement to the course of study.

Yet the great contribution of President Neilson's long administration did not lie in any of these achievements or in their sum. In his time Smith College came to be recognized in America and abroad not only as a reputable member of the academic community but as one of the leading colleges of this country, whether for men or women. Its position in the front rank was established. Its size, its vigor, the distinction of its faculty, and the ability of its alumnae were factors in this recognition; but a certain statesmanlike quality in its President had much to do with bringing it to the fore whenever academic problems were under discussion. Wherever Mr. Neilson went, his ability to penetrate to the heart of a question helped to clarify thinking, dissipate prejudice, and foster agreement; and the College rose with him in the estimation of the educational world and of the country.

IV

The fourth administration of Smith College began, like the third, in a time of international conflict, under the cloud of wars and rumors of wars. President

HISTORY OF SMITH COLLEGE

Neilson retired at the end of the academic year 1938-39; during the interregnum Mrs. Elizabeth Cutter Morrow served her college as Acting President and earned its deep gratitude. At the opening of the year 1940-41, President Herbert Davis, formerly Professor of English at the University of Toronto and at Cornell University, took office. "This is not a time to prophesy smooth things, or to dream dreams," President Davis said in his inaugural address on October 17, 1940. "It is not a time for experiment; not a time to advance to new positions, or to undertake new responsibilities. It is a time rather for consolidation, for holding on to what we know is worth maintaining."

The College went into year-round session; faculty and staff were called into many fields of government service. The Navy Department invited Smith College to provide facilities for the first Officers' Training Unit of the Women's Reserve, and College, Alumnae Association, and City cooperated to such purpose that 9567 naval officers had been commissioned when the school closed in January, 1945. To compensate somewhat for the suspension of the Junior Years Abroad, foreign-language houses for students interested in French and Spanish were established after the model of the German House which had been founded, also in consequence of conditions abroad, in 1935.

During these years President Davis did not relax the standards of quality and achievement to which he and those before him had committed the College. Peace brought a return to the regular calendar, a major curriculum revision, and serious financial problems. With the partial completion of the 75th Anniversary Fund, faculty salaries were somewhat increased and several long-needed projects undertaken. Among them was a student center so successfully adapted from an old gymnasium that the students named it Davis Center as a mark of affection for their president shortly before he left in June, 1949 to accept a post at Oxford University.

V

The Anniversary year 1949-50 opened under a new president, Benjamin Fletcher Wright, formerly Professor of Government at Harvard University and Chairman of that University's important Committee on General Education. The Inauguration of the President and the Convocation in honor of the seventy-fifth year, held jointly on the 19th and 20th of October, were marked in word and spirit by recognition not only of the brilliant record of the past but of a great responsibility toward the future. "Our legacy is not narrow and confining," said Mr. Wright in his inaugural address. "The founders of this College faced their own times with courage, and they had confidence that later generations would advance their work. We shall be faithful to that trust only if we carry on our heritage in their spirit." Eight months later at an Anniversary Assembly in June, this confidence was notably demonstrated in the successful completion of a Seven Million Dollar Fund representing four years of devoted and indefatigable effort on the part of alumnae, students, and friends of the College in the face of increasingly unfavorable economic factors.

HISTORY OF SMITH COLLEGE

The growth of Smith College is evident enough in the contrast between the small beginnings and the present achievement: between the original corner lot of 13 acres and a campus of 214 acres; between Sophia Smith's legacy of \$400,000 and current assets of \$26,946,010; between the first class of 14 and today's enrollment of 2273; between the 11 graduates of 1879 and an alumnae roster of 22,698. But the ideals of the founders, of President Seelye, and of all the great company who have loved the College and worked for it with devotion are the same; the purpose of education as defined by President Davis, "to produce free spirits and to let them work freely," continues to be the high purpose of Smith College.

THE WILLIAM ALLAN NEILSON CHAIR OF RESEARCH

The William Allan Neilson Professorship, commemorating his profound concern for scholarship and research, has been held by the following distinguished scholars:

KURT KOFFKA, PH.D. *Psychology*. 1927-32.

G. ANTONIO BORGESE, PH.D. *Comparative Literature*. 1932-35.

SIR HERBERT J. C. GRIERSON, M.A., LL.D., LITT.D. *English*. Second semester, 1937-38.

ALFRED EINSTEIN, DR. PHIL. *Music*. First semester, 1939-40; 1949-50.

GEORGE EDWARD MOORE, D.LIT., LL.D. *Philosophy*. First semester, 1940-41.

KARL KELCHNER DARROW, PH.D. *Physics*. Second semester, 1940-41.

CARL LOTUS BECKER, PH.D., LITT.D. *History*. Second semester, 1941-42.

ALBERT F. BLAKESLEE, PH.D., SC.D. (hon.). *Botany*. 1942-43.

EDGAR WIND, PH.D. *Art*. 1944-48.

DAVID NICHOL SMITH, M.A., D.LITT. (hon.), LL.D. *English*. First semester, 1946-47.

DAVID MITRANY, PH.D., D.SC. *International Relations*. Second semester, 1950-51.

PIETER GEYL, LIT.D. *History*. Second semester, 1951-52.

WYSTAN HUGH AUDEN, B.A. (Oxon.). *English*. Second semester, 1952-53.

ALBERT F. BLAKESLEE, PH.D., SC.D. (hon.). *Botany*. 1942-43.

Admission of Undergraduates

SMITH COLLEGE accepts candidates for the degree of Bachelor of Arts both as members of the Freshman Class and as members of the Sophomore or Junior classes with acceptable credits from other colleges. The Freshman Class is selected on a competitive basis, careful consideration being given to each applicant's record as a whole.

APPLICATION FOR ADMISSION

An applicant for admission registers by filling out and submitting an application form which the Board of Admission will furnish upon request, and by paying a registration fee of \$10 which is not refunded. If possible, such registration should be made well in advance of entrance to enable the applicant to receive the benefit of advice in making her entrance plans. Although the date of application is not considered in the selection of candidates, rooms in college houses are assigned to freshmen in order of their dates of application for admission.

SELECTION OF CANDIDATES

The Board of Admission meets in April each year to evaluate records of applicants to the Freshman Class. Its object is to admit students whose academic and health records testify to a capacity for carrying on college studies successfully and whose personal qualifications give assurance that they will be responsible members of the community. Both past achievement and promise of future achievement are given weight in this evaluation.

Besides the school record, the principal's recommendation, and the records of College Board tests, the Board of Admission utilizes such information as the results of psychological tests (for example, the Iowa Silent Reading Test and the American Council Psychological Tests). All credentials should reach the Board of Admission by March 1 in the year of entrance.

A deposit of \$50 must be made by June 1 if the student wishes to accept a place in the College. This deposit is not refunded in case of withdrawal before entrance.

ENTRANCE REQUIREMENTS

An important relationship exists between school and college work. In planning her preparation for entrance, a candidate should bear in mind the three different ways in which this relationship will affect her own college studies.

Primarily, the preparatory program recommended below is intended to assure for the student a satisfactory basis for the work which she will be asked to do on a

ADMISSION OF UNDERGRADUATES

college level. The discipline and the knowledge acquired from the study of English languages, mathematics-science, and history have a general bearing upon all college studies.

As basic foundation for college work, the student should have completed a four-year secondary school program giving sixteen year credits and corresponding to one of the curricula presented below. The elective work may be in language, mathematics, science, history, art, Bible, or music. For special information concerning entrance credits for art, Bible, and music, apply to the Board of Admission.

<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>
English	4	English	4	English	4
Language	3*	Language	5**	Language	5**
{Mathematics		Algebra	1	{Mathematics	
{Science	4†	Geometry	1	{Science	4†
History	2‡	History	2‡	History	1
Elective	3	Elective	3	Elective	2
<hr/>		<hr/>		<hr/>	
Total	16	Total	16	Total	16

* Or two years in each of two different languages, making a total of four. No credit will be given for one year of a language.

† Three in mathematics and one in science (biology, chemistry, or physics), or four in mathematics.

‡ In different fields.

** One of the languages should be Latin or Greek.

The College is aware of the fact that there is variation among school curricula throughout the country. It is willing to give careful consideration to able students whose programs deviate at some points from those suggested above.

ENTRANCE TESTS

Candidates for admission to the Freshman Class are required to take the Scholastic Aptitude Test and three Achievement Tests. One Achievement Test must be in English; the others must be selected from two of these fields: (1) foreign languages (French, German, Latin, Spanish), (2) mathematics or science (intermediate mathematics, advanced mathematics, biology, chemistry, physics), (3) social studies (history). These tests should be taken in subjects studied in the senior year.

All candidates will be required to take these tests in their senior year. Students who complete the school course in June will be expected to take the three Achievement Tests in March of that year and the Aptitude Test in January or March. If they take the Aptitude Test in January, they should not repeat it in March. Those students who are graduated in the middle of the year may take all the tests in January. All College Board tests are designed to be taken without special preparation. The Board of Admission advises all candidates to take the Scholastic Aptitude Test and the General Composition Test for guidance purposes in May of their junior year.

ADMISSION OF UNDERGRADUATES

COLLEGE BOARD REGULATIONS

The College Entrance Examination Board will send free of charge to any school or applicant a copy of its *Bulletin of Information and Sample Tests* which contains full data concerning application, fees, and examination centers. The Board has set the following examination dates for 1953-54, and 1954-55:

1953-1954
December 5, 1953
January 9, 1954
March 13, 1954
May 22, 1954
August 11, 1954

1954-55
December 4, 1954
January 8, 1955
March 12, 1955
May 21, 1955
August 10, 1955

All candidates, except those living in states or foreign areas listed below, should make application by mail to the *College Entrance Examination Board, Box 592, Princeton, New Jersey*. Those who wish to take the examinations in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii, Alberta, British Columbia, Mexico, Australia, Pacific islands including Formosa and Japan should address their inquiries and send their applications to the *College Entrance Examination Board, Box 9896, Los Feliz Station, Los Angeles 27, California*.

In order to facilitate the arrangements for the conduct of the tests all applications should be filed as early as possible. The fee for the Scholastic Aptitude Test taken alone is \$6; for the Achievement Test alone \$8; for the Aptitude Test and the Achievement Tests taken on the same day \$12. Applications and fees should reach the office of the Board not later than the dates specified in the *Bulletin of Information and Sample Tests*. The final date for filing application for examination at an established center outside the United States, Canada, Canal Zone, Mexico, and the West Indies is approximately two months prior to the date of the examination. Late applications will be subject to a penalty of \$3 in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date. Under no circumstances will an application from a candidate in the United States, Canada, Canal Zone, Mexico, or the West Indies be accepted if it is received at a Board office later than one week prior to the date of the examination.

Requests for the establishment of new overseas centers should reach the appropriate Board office at least three months prior to a scheduled examination date.

The College Entrance Examination Board will report the results of the tests to the institutions indicated on the candidates' applications. The College will, in turn, notify the candidates of the action taken upon their applications for admission. No reports on the tests will be sent to candidates by the Board.

ADMISSION OF UNDERGRADUATES

FOREIGN STUDENTS

Smith College is interested in admitting foreign students and is willing to make exceptions for students who give evidence of ability to do college work. Applicants are advised to communicate with the Director of Admission well in advance of entrance in order that the College may advise them concerning entrance plans.

ADVANCED STANDING STUDENTS

The College admits each year a number of sophomores and juniors by transfer from other colleges. Candidates for admission with advanced standing should be able to submit official statements of entrance and college records, including the results of the Scholastic Aptitude Test and a letter of honorable dismissal from the college previously attended. Their school and college programs should correlate with the general college requirements given on p. 40 of this *Catalogue*.

Admission to advanced standing is competitive. Successful candidates are given credit without examination for acceptable work taken at another college. Shortages incurred when previous work is not accepted for the Smith College degree may be removed by carrying hours above the minimum or taking work in an approved summer school. During their first semester in residence, advanced standing students may not elect more than seventeen hours except by permission of the Administrative Board. At least two years' residence at Smith College is ordinarily required of a candidate for the degree of Bachelor of Arts.

READMISSION

A student who has withdrawn from college may apply to the Administrative Board for readmission. Application for readmission in September should be sent to the Registrar before April 1; for readmission in February before December 1.

In general, students who have withdrawn from college at the end of the first semester will be permitted to return only in the following February.

NONCOLLEGIATE STUDENTS

Qualified persons beyond the age of the undergraduate may be admitted to courses of study or to supervised research work with the approval of the Registrar and the instructor concerned. The fee is \$30 per semester hour.

Auditors should obtain the permission of the Registrar and of the instructor concerned. The fee for auditing is \$5 per semester course.

The Curriculum

As candidates for the degree of Bachelor of Arts, undergraduate students normally follow a four-year program in which they are required to complete one hundred and twenty hours of academic work as well as prescribed courses in physical education.* For graduation they must achieve a cumulative average of C (fair) in their academic work and a C average in the senior year; in computing these averages plus and minus signs are not taken into account. The minimum schedule for a semester consists of fifteen credit hours.

When plans can be approved before the end of the freshman year, it is possible in special cases for students to complete the work in three years by attending summer sessions elsewhere. Only in rare instances is the degree granted after a residence at Smith College of less than two years, one of which must be the senior year.

ORGANIZATION OF THE CURRICULUM

DIVISION I. THE HUMANITIES

- GROUP A. *Literature:* Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature
- GROUP B. *Fine Arts:* Art, Music, Theatre
- GROUP C. *Philosophy, Religion*

DIVISION II. SOCIAL SCIENCES AND HISTORY

- GROUP D. *History*
- GROUP E. *Social Sciences:* Economics, Education, Government, Sociology, Social Science

DIVISION III. NATURAL SCIENCES AND MATHEMATICS

- GROUP F. *Physical Sciences and Mathematics:* Astronomy, Chemistry, Geology, Physics, Physical Science, Mathematics
- GROUP G. *Biological Sciences:* Bacteriology, Botany, Psychology, Zoology, Biological Science

Speech and Physical Education are associated with Divisions I and III respectively.

* For this requirement in Physical Education see page 112.

THE CURRICULUM

GENERAL COLLEGE REQUIREMENTS

The program of the first two years of the college course is generally diversified, while the last two years are devoted primarily to study in a major field which is chosen at the end of the sophomore year.

Because the College considers experience in certain fields of knowledge essential to a liberal education, it has set a number of special and distribution requirements to be completed by the end of the junior year.

SPECIAL REQUIREMENTS

- (1) Six semester hours in Freshman English, required in the first year.

A few students with exceptionally high entrance records in English will be exempted from the requirement. Such students will be notified of exemption in the summer and may, if they wish, elect a Grade II course in English. A list of courses open to them will be sent with notification of exemption.

Freshmen who do not pass English 11 with a satisfactory grade must work tutorially in sophomore year with the Committee on Special Assistance in Written English.

- (2) Six semester hours in a foreign language. The minimum prerequisite for courses which fulfill the requirement is three entrance units in a language or six hours in college. Courses which fulfill the requirement are marked (L) and are offered in the following departments: Classics, French, German, Italian, Russian, Spanish.

NOTE—A 12 course in a modern language will not fulfill the requirement for students entering with two units in the language.

- (3) A knowledge of the fundamentals of hygiene. This requirement may be met in one of several ways as described under the Department of Hygiene and Bacteriology.

DISTRIBUTION REQUIREMENTS

- (1) Six semester hours in literature (Group A: Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature). This course must be taken in a language other than the one used to fulfill the foreign language requirement.

Students entering without units in Latin or Greek must fulfill this requirement through courses in classical literature either in the original or in translation.

- (2) Six semester hours in Art, Music, Theatre (Group B) or Philosophy, Religion (Group C).

Students are urged to take six semester hours in each group if possible.

THE CURRICULUM

- (3) Six semester hours in History (Group D).

Exemption from this requirement will be granted to students who offer at least three units of the proper content: ancient, American, European (medieval and modern, or modern since 1600), and who pass an examination in one of these fields, administered by the Department after the opening of college.

- (4) Six semester hours in Government, Economics, Sociology, or Social Science (Group E).

In rare cases students with preparation in these fields may be granted exemption on the basis of an examination. Application should be made to the Class Dean.

- (5) Six semester hours in Astronomy, Chemistry, Geology, Physics, Physical Science (Group F) or Botany, Zoology, Biological Science (Group G).

The courses which may be taken to fulfill these distribution requirements are named at the head of each department offering and specified in the list of Interdepartmental Courses, on p. 49.

THE MAJOR

In the junior and senior years the student devotes half or more of her time to study in a single field selected on the basis of a course or courses taken in the first two years. Major programs, which are offered in all departments except Hygiene, Physical Education, and Speech, are described under the department offerings (see pp. 51 ff). When a student enters upon her major she comes under the direction of a major adviser and obtains the approval of that adviser for her major program.

Of the thirty semester hours required in the major at least eighteen must be in courses of Grade III or higher in the field of concentration and of these twelve must be in the department. Students are required to take not less than twelve hours in the major field in each of junior and senior years. Courses taken in sophomore year, exclusive of the basic course, may be counted in the major.

At least six semester hours in the junior or the senior year must be taken in a division other than the one in which the student is majoring.

In the junior and senior years not more than twelve semester hours of Grade I, and not less than twenty-four semester hours above Grade II may be taken for credit toward graduation.

INTERDEPARTMENTAL MAJORS

The curriculum also includes interdepartmental majors in American Studies, General Literature, Bacteriology, Physiological Chemistry, Premedical Science, Theatre (see pp. 139 ff).

THE CURRICULUM

THE JUNIOR YEAR ABROAD

Students in good standing and with sufficient language training may, if conditions permit, spend the junior year in certain foreign countries in groups directed by members of the Smith College Faculty. The Junior Years in France, Italy, and Spain are intended primarily for language majors and the Junior Year in Geneva primarily for students majoring in economics, government, history, or sociology. However, majors in other fields with adequate preparation in language may apply to the appropriate committees with the consent of the department of the major. Properly prepared students from other colleges may be admitted to the groups.

The Junior Years Abroad are planned to afford as rich an opportunity as possible to observe and study the countries visited. Art, music, and theatre are available in the different cities and the Directors arrange occasional meetings for the groups with outstanding scholars, writers, and leaders. During the vacations students are free to travel to broaden their acquaintance with the country, although they may stay in residence if they prefer.

Applications, including permissions from parents, must be made by February 15 to the Office of the Dean. The size of the group and the selection of candidates will be determined by a faculty committee for each group. It is expected that applicants will have met all the college requirements of the first two years and any special conditions set by the Committees on the Junior Year Abroad. The physical condition of each student must be passed upon by the College Physician.

The Director of the group is granted by the College full control in matters of behavior and discipline, although the details of group procedure will be worked out with a student committee. The students are subject to social regulations similar to those that obtain in Smith College, but adapted to the different countries. The supervision of the Director ends with the close of the college year in each country.

The fee covering tuition and board is \$1800; travel and incidental expenses vary according to individual tastes and plans. A deposit of \$50 is payable by May 1 by students who have been provisionally accepted. It will be credited on the second semester bill and will not be refunded unless notice of withdrawal from the group is sent the Office of the Dean before June 1. Payment for the first semester should be made by July 10 in the case of students going to France, Geneva, Spain, and Italy, for the second semester by December 10. Checks should be sent to the Treasurer of Smith College, Northampton.

Neither the College nor the Director assumes or accepts any responsibility for personal injury to members or damage to or loss of property of members. Students are required to carry health and accident insurance which is available through a general college plan.

FRANCE: Arrangements are made for students to live in Paris with carefully selected families. Full-time junior programs consisting of work in French literature, history,

THE CURRICULUM

and art, and other aspects of French culture are planned by the Director. Courses are given by professors from the Sorbonne and other institutions. The language requirement for admission to the group is usually two years of college French if the student has entered with three units.

ITALY: The work of the year begins with a month in Perugia where intensive study of the language is undertaken at the University for Foreigners and with the Director. After the first of October this study is continued in Florence. The middle of November the group starts work in classes conducted especially for Smith College by professors of the University of Florence. The subjects offered are Italian art, history, language and literature. In Perugia the students stay in a first-class hotel or pension; in Florence they live in private homes chosen by the Director. The minimum requirement for admission is normally two years of college Italian. By special action of the committee promising students with only one year of Italian may be accepted.

SPAIN: After a preliminary month of intensive training in language spent in one of the provincial cities, the juniors go to Madrid for the year's course of study. There they live either with carefully selected families or in a Residence for University Women. Full-time junior programs consisting of courses in Spanish literature, philosophy, history, and art are planned by the Director and given by professors from the University of Madrid and other institutions. A minimum of two years of college Spanish is the normal requirement for admission.

GENEVA: The work in Geneva consists of international studies instead of the history and culture of a single country, and accordingly the group is composed primarily of majors in history, government, economics, and sociology. The courses permit the students, through work in the Institute of Higher International Studies and the University of Geneva, to study plans for world cooperation. Classes are available in diplomatic and contemporary history, international economics and finance, international law, and similar subjects. As the courses are given in French students are expected to pass one year of the language in college if they have entered with three units, and all applicants should pass at least one course in French in the second semester of sophomore year. Any students who do not fulfill these requirements will be tested for their proficiency in the language. It is strongly urged that work in at least two fields of the social sciences be offered.

GERMANY: Plans are being laid to establish the Junior Year in Germany, beginning with the academic year 1955-1956. The expectation is that the site will be the city of Munich where courses in the literature, history, art, and music of Germany will be provided by professors on the faculty of the university there. A full-time junior program will be planned by the Director. Students will live with carefully selected German families. The requirement for admission to the group will be normally two years of college German or the equivalent. A fuller statement about the Junior Year in Germany will be available in the fall of 1954.

THE CURRICULUM

TORONTO: Since 1945 an exchange of students in the junior class with juniors at the University of Toronto has proved to be highly successful. For the year the Smith juniors live in the colleges of the University and carry on programs approved by their major advisers. Candidates from Smith must have demonstrated their ability to do work of Dean's List rating and have the approval of the chairman of their major department. Not more than eight exchanges will be arranged in any year. Regular Smith College fees, covering residence and tuition at the University of Toronto, will be paid to the Treasurer of Smith College by exchange students.

AMERICAN COLLEGE COUNCIL FOR SUMMER STUDY ABROAD

Smith College is one of fourteen colleges and universities participating in the program of the American College Council for Summer Study Abroad. Information concerning courses offered may be obtained at the Office of the Dean.

THE DEGREE WITH HONORS

PURPOSE: The honors program is strongly recommended for all juniors and seniors who have achieved or approximated a Dean's List average. This program allows for flexibility in the planning and execution of the work of the major and at the same time gives recognition to students who do work of good quality in the preparation of a long paper, as well as in their courses and units or seminars.

AWARD: The degree is awarded with honors in three grades, *summa cum laude*, *magna cum laude*, and *cum laude*, based on (a) an independent piece of work which may involve the preparation of a long paper or the conduct of an investigation, (b) an estimate of the work in courses and units in the major field made by the department of the major, (c) three final examinations.

If a student fails to be awarded honors she will be granted a degree without honors if her work is of sufficient merit.

ADMISSION: A student having an average of B for the three semesters preceding her application is eligible for honors. Other students will be admitted on the recommendation of the department of the major and with the approval of the Committee on Honors.

Subject to special requirements of individual departments students may enroll at the beginning of either semester of junior year or at the beginning of senior year. They may withdraw only upon recommendation of the department of the major and the approval of the Committee.

PRIVILEGES: An honors candidate will have (a) the greatest possible elasticity in the arrangement of her program (with the permission of the director she may carry less than fifteen hours), (b) preference over other undergraduates when admission to units or seminars must be limited, and over other honors candidates according to priority of candidacy, (c) exemption from all course examinations at the end of senior year.

THE CURRICULUM

The specific requirements in each department will be found under the department offerings.

ACADEMIC RECORD

Grades are given with the following significations: A, excellent; B, good; C, fair; D, poor; E, failure.

Students are named on the Dean's List when in the previous year they have achieved an average of B or better.

Students who fail to maintain diploma grade or fail to register and attend classes in accordance with the regulations are placed on the Registrar's List. They are subject to special requirements in attendance of classes. Further details concerning the Registrar's List are printed in the *Rules and Regulations*.

A shortage of hours incurred through failure in a course must be made up before graduation by an equivalent amount of work carried above the minimum.

A student whose college work is generally unsatisfactory is subject to exclusion from college.

A student who has failed in the work of five or more hours in two consecutive semesters or in any three semesters, or has failed in the work of ten or more semester hours in a year is excluded from college unless special exception is made by vote of the Administrative Board.

PHI BETA KAPPA

The Zeta of Massachusetts Chapter of the Phi Beta Kappa Society was established at Smith College during the year 1904-05, and the first undergraduates were elected to membership in April. In 1920 provision was made for the election of a small number of juniors. Rules of eligibility are established by the Chapter in accordance with the regulations of the national society.

SOCIETY OF THE SIGMA XI

Smith College was the first woman's college to be granted a charter for the establishment of a chapter of the Society. Each year the Chapter elects to membership promising graduate students and seniors who excel in two or more sciences.

RULES GOVERNING ELECTION OF COURSES

1. Each student is expected to make herself familiar with all regulations governing the curriculum.
2. Certain conditions require the presentation of permission slips or of petitions to the Administrative Board. (A petition to the Board requires the recommendation of the chairman of the department and of the instructor concerned.)
 - (a) Students who wish to enter a course for which they have not had the stated prerequisite must file a petition with the Administrative Board.

THE CURRICULUM

(b) Freshmen and sophomores who wish to enter a course of a higher grade than is normally open to their class must file a petition with the Administrative Board. Exceptions in the languages and sciences are made for those students who have the stated requirements.

(c) Juniors not taking honors work who wish to enter a course of Grade IV (including seminars) must have the permission of the department concerned and file a petition with the Board.

(d) Seminars of Grade IV, limited to twelve students, are open to juniors and seniors only by permission of the instructor. Students not candidates for honors are permitted to take only one seminar in a semester.

(e) Special Studies of Grade IV are open only by permission of the department. They are limited to seniors who have had twelve semester hours above Grade I and are majoring in the department concerned.

(f) Grade V courses are open to seniors only if they have a major or its equivalent in the department and if they have at least a B average in that major. Under these conditions they may be admitted by permission. They may not carry more than three hours of Grade V work a semester except in technical art and practical music unless they have special permission from the Administrative Board.

(g) A student may not carry in any semester less than the required minimum of fifteen hours or more than two hours above the required minimum except with the permission of the Administrative Board.

A shortage of hours permitted by the Administrative Board may be made up by a corresponding excess of hours distributed over succeeding semesters.

(h) A year course may not be entered in the middle of the year except with the permission of the Administrative Board and the consent of the department concerned. When a year course is dropped, credit for the first semester is not allowed except with the recommendation of the instructor and the chairman of the department and the permission of the Administrative Board.

3. In each semester of the freshman and sophomore years the student must carry at least four three-hour courses.

4. Changes in courses may be made without fee until September 15. Thereafter changes may be made through the first week of college only at a charge of five dollars, unless the change has been initiated by an instructor or is the result of curriculum changes beyond the student's control. Exception is made for freshmen and advanced standing students who may change courses without fee through the first ten days of the first semester.

(a) Requests for these changes must be filed in the Office of the Class Deans on official blanks.

THE CURRICULUM

(b) If changes on the course cards are made necessary by reason of carelessness on the part of the student a fee of two dollars is charged.

(c) Permission to drop hours of work carried above the minimum will not be granted after November 15 for the first semester and after April 3 for the second semester.

5. A student is not allowed to attend a class either as an occasional or a regular auditor except with the permission of the instructor in charge of the course.

Smith College

COURSES OF STUDY

1954 - 1955

Key to Symbols and Abbreviations

Courses are arranged in five grades indicated by the first digit in the course number. Those of Grade I are primarily for freshmen, those of Grade II for sophomores. Courses of Grade III are for juniors and seniors, but are also open to sophomores when a statement to that effect is included in the description. Grade IV courses are for seniors, honors students, or qualified juniors. Grade V courses are for graduate students.

An "a" after the number of a course indicates that it is given in the first semester; a "b," that it is given in the second semester.

Where no letter follows the number of the course, the course runs through the year.

Unless otherwise indicated, all year courses carry credit of six hours; all semester courses, three hours.

The numerals after the letters indicating days of the week show the scheduled hours of classes. Where scheduled hours are not given for courses or for laboratory work, the times of meeting are arranged after elections are made.

[] Courses in brackets will be omitted for the year.

Dem. indicates demonstration; Lab., laboratory; Lec., lecture; Rec., recitation; Sect., section; Dis., discussion.

An "L" in parentheses at the close of the description of a course in the literature departments indicates that it may be taken to fulfill the foreign literature requirement.

Explanation of marks before instructors' names: † Absent for the year; * absent for the first semester; ** absent for the second semester; || with the juniors in France; ‡ with the juniors in Spain; § with the juniors in Geneva; | with the juniors in Italy; ¹ appointed for the first semester; ² appointed for the second semester.

INTERDEPARTMENTAL COURSES

SOCIAL SCIENCE 192. *An Integrated Study of Modern American Society.* An introductory analysis of physical and human resources, principal ideas and institutions, social structure, and current issues. Some of the methods and materials of economics, political science, and sociology are employed. Open to a limited number of freshmen and sophomores. Lec. M 11; Rec. T W 11, 12. Mr Matthews (*Director*), Mr Olmsted, Mr Mair. (Group E)

PHYSICAL SCIENCE 193. *The World of Atoms.* An introductory study of modern atomic theory by means of relevant aspects of chemistry and physics, including developments of current interest. Emphasis is placed on the logic of science and the nature of the evidence rather than on technical applications. Three lectures and one discussion. Lec. Th F S 9; Dis. W 10, 11. Mr Sherk (*Director*), Mr Kofsky. (Division III)

PHYSICAL SCIENCE 194. *The Earth in Time and Space.* The chemical, physical, and geological nature of the earth and its relation to the solar system and the universe. Theories of the origin of the earth, solar system, and universe. Open to a limited number of freshmen and sophomores. Lecture, three hours; laboratory and demonstration, two hours. Lec. M T W 10; Lab. W 2-4, Th 9-11. Mr Schalk (*Director*), Mr Scott, Mr Soffer, Mr Linnell. (Division III)

BIOLOGICAL SCIENCE 195. *The Living World.* Life as exhibited in the form, function, inheritance, and evolution of living organisms, with special emphasis on the relationship of man to the equilibrium of nature. This course is not open to students who have taken a course of Grade I in botany or zoology. Lecture and demonstration, three hours; laboratory, two hours. Lec. M T 9; Dem. W 9; Lab. W 11-1, 2-4; Th 9-11, 11-1, 2-4; F 9-11, 11-1, 2-4. Mr Driver and Miss Kemp (*Co-directors*), Miss Petersen. (Division III)

GENERAL LITERATURE 291. *A Study of Selected Literary Masterpieces from Homer to Tolstoy.* For sophomores and juniors. Lec. W 2. Section meetings M T W 9, 10, 2; W Th F 2; Th F S 10, 11. Miss Drew (*Director*), Mr Arvin, Mr Guil-loton, Mr Fisher, Mr Kazin (first semester), Miss Dunn (second semester), Mr Petersson, Mr Gibian.

HUMANITIES 292a. *The Traditional Conflict of Reason and Myth.* An introductory study to explore the shifting boundaries between science, imagery, and superstition. For sophomores. T 2 W 2-4. Mr Wind.

INTERDEPARTMENTAL COURSES

HISTORY AND SOCIAL SCIENCE 293. *American Ideas and Institutions*. A study of American life and thought through the intensive analysis of four representative generations from the eighteenth to the twentieth century. The adaptation of American values to changing economic, political, and social conditions. Th F S 10. Mr Davies, Miss Kenyon, Mr Sheehan.

HISTORY AND SOCIAL SCIENCE 294a. *Contemporary India and Its Role in Asia*. This course will focus on the political, economic, and social developments in India since 1947. M T W 9. Mr Overstreet.

HISTORY AND SOCIAL SCIENCE 295b. *Africa South of the Sahara*. An introductory study of recent political, economic, and social developments. Th F S 10. Miss Carter.

PHYSICAL SCIENCE 391a. *Frontiers of Science*. Development of topics selected to illustrate the spirit of intellectual adventure of modern science: cosmic rays, crystals and atomic architecture, stellar universes, waves and particles. Not open to majors in physical sciences. Prerequisite, completion of the distribution requirement in science. Lectures and discussion with occasional conferences. M T W 12. Mr Scott (*Director*), Miss Wrinch, Mr Linnell.

BIOLOGICAL SCIENCE 391b. *Frontiers of Science*. Subject matter selected to demonstrate the effect of food supply upon the present and future status of man. Such topics as photosynthesis, new energy sources, ersatz food, radioactive tracers, hormones, Russian genetics, viruses, antibiotics, and bacteriological warfare will be discussed. Lectures, demonstrations, and discussions. M T W 2. Miss Sampson (*Director*), Miss Smith, Mr Wright.

HUMANITIES 491a. *Metaphor, Symbol, and Myth*. The forms of imaginative association common to poetry, magic, myth, dreams, the unconscious, and the thinking of primitive men and of children. These will be studied in relation to the role of symbols, fictions, and analogies in contemporary literature, art, religion, politics and the social sciences. By permission of the instructor. Th F S 10. Mr Davis.

ART

PROFESSORS:	CLARENCE KENNEDY, PH.D. OLIVER WATERMAN LARKIN, A.M., <i>Chairman</i> EDGAR WIND, PH.D. *HENRY-RUSSELL HITCHCOCK, A.M., Director of the Museum
ASSOCIATE PROFESSORS:	PRISCILLA PAINE VAN DER POEL, A.M. MERVIN JULES PHYLLIS WILLIAMS LEHMANN, PH.D. H. GEORGE COHEN
LECTURER:	RUTH WEDGWOOD KENNEDY, A.B.
VISITING ARTIST:	DANIEL JAY DICKERSON, M.F.A.
INSTRUCTORS:	WILLIAM J. COE, A.M. MARTIN R. JONES, M.L.A. †LEONARD BASKIN, B.A.

The courses in art which may be taken to fulfill the distribution requirements in Group B are 11, 31, 35, 13.

Students planning to major or to do honors work in art will find that courses in literature, philosophy, religion, and history taken in the first two years will prove valuable. Botany 11 and 27 are recommended to students who have a special interest in landscape architecture.

A. Historical Courses

Each of the historical courses may include one or more trips to Boston, New York, or the vicinity for the study of original works of art.

A reading knowledge of foreign languages, especially German, Italian, and French, is urgently recommended.

11 *An Historical Introduction to Art.* W Th F 3; discussion meeting, choice of M 11, 12, 3; T 12; W 11, 12; Th 10, 12; F 10, 11; S 10. Members of the Department. Mr Coe, *Director*.

31 *The Art of Greece and Rome.* Architecture, sculpture, painting, and the minor arts as conditioned by social, intellectual, and religious history from the prehistoric background to the late antecedents of Christian art. Open to sophomores. Th F S 9. Mrs Lehmann.

35b *Mediaeval Art.* Early Christian, Byzantine, Romanesque, and Gothic architecture, sculpture, illuminated manuscripts, and painting. Open to sophomores. Recommended background, 11 or History 11. Th F S 11. Mrs Lehmann.

ART

- 34a *Northern Art*. Flemish, French, and German art from the fourteenth through the sixteenth century. Open to sophomores. Recommended background, 11. M T W 9. Mr Coe.
- 34b *Art in Northern Europe, France, and Spain in the Seventeenth and Eighteenth Centuries*. Open to sophomores. Recommended background, 11. Th F S 10.
- 35 *The Art of the Italian Renaissance*. Development of the arts in Italy from 1290 to 1594, with special emphasis on their interrelationships and on the emergence of a consistent theory of art. Lectures, problems, and field trips. Open to sophomores. Recommended background, 11 or History 11. M T W 11. Mr Kennedy and Mrs Kennedy.
- 37a *Raphael and the Renaissance in Rome*. Open to sophomores by permission of the instructor. M 4 T 4-6. Mrs Kennedy.
- 37b *Donatello*. Open to sophomores by permission of the instructor. M 4 T 4-6. Mr Kennedy.
- 311a *Italian Art of the Seventeenth and Eighteenth Centuries*. A study of the major artists of Italy in the Baroque period. Open to sophomores. Recommended background, 11. Th F S 10.
- 313a *The Arts in America*. The colonial period through the years of the expanding republic, with emphasis on painting and sculpture as an expression of thought and taste. Recommended background, 11 or a course in American history. Th F S 12. Mr Larkin.
- 313b *The Arts in America*. The Civil War to the present. Recommended background, 11 or a course in American history. Th F S 12. Mr Larkin.
- 315 *Modern Art*. Contemporary art and its backgrounds. Recommended background, 11. M T W 10. Mrs Van der Poel.
- 321 *Decorative Styles*. A survey of European and American thought and taste as expressed in interior design, furniture, and textiles from the mediaeval period to the present. Choice of papers or projects in interior design. Open to sophomores. Not open to students who have taken 322a with which this course alternates. M T W 12. Mrs Van der Poel.
- [322a *Decorative Styles*. Not open to students who have taken 321 with which this course alternates. M T W 12. Mrs Van der Poel.]
- [326 *American Architecture and Its English Background from the Seventeenth through the Nineteenth Century*. Late Mediaeval, Stuart, Georgian, and Victorian building. Recommended background, 11 or 239. Alternates with 327. Open to sophomores by permission of the instructor. M T W 2. Mr Hitchcock.]

ART

- 327b *Modern Architecture and Its Immediate Background.* Architecture of the last hundred years with particular emphasis on the work of H. H. Richardson, Louis Sullivan, Frank Lloyd Wright, and the European architects of the so-called "International Style." Recommended background, 11, 239, or 326. Open to sophomores by permission of the instructor. Alternates with 326. M T W 2. Mr Hitchcock.
- [329b *The Book as a Work of Art.* The study of the type, the page design, and the illustration of books from the Renaissance to the present. M T W 2. Mr Kennedy.]
- 40b A paper or project correlating the various approaches to the study of art: historical, analytical, critical. Mr Larkin, *Director.*
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours of art above Grade I. *Two or three hours.*

SEMINARS

- 42a *Criticism of Art.* Principles and practice of analyzing, interpreting, and judging works of art from the Renaissance to our time. Lectures, reading, papers. Open only to senior art majors. Th 7:30. Mr Larkin.
- 42b *Contemporary Criticism of Art.* Prerequisite 42a. Th 7:30. Mr Larkin.
- 43a *Greek Sculpture.* Alternates with 44a. By permission of the instructor. T 7:30-10. Mrs Lehmann.
- [44a *The Antique and the Italian Renaissance.* The survival and rediscovery of ancient works of art and their influence on such Italian Renaissance artists as Alberti, Mantegna, Raphael, Michelangelo, Titian, Palladio. Alternates with 43a. T 7:30-10. Mrs Kennedy and Mrs Lehmann.]
- 45b *The Iconography of the Renaissance and Reformation.* Alternates with 47b. For seniors by permission of the instructor. M 8-10. Mr Wind.
- 46b *The Renaissance in Italy and Its Reflection in Art.* Open to junior and senior majors in art and history. T 3-5:30. Miss Gabel and Mrs Kennedy.
- [47b *English Art of the Eighteenth Century.* Alternates with 45b. For seniors by permission of the instructor. M 8-10. Mr Wind.]
- [48b *Nineteenth and Twentieth Century Painting.* Given in alternate years. For junior and senior honors students and other qualified seniors. T 7:30-10. Mrs Van der Poel.]

ART

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies. *One hour or more.*

55 *Art of the Italian Renaissance.* Mr Kennedy and Mrs Kennedy.

57a, 57b *Modern Art.*

For further information about graduate work in art, application should be made to the Chairman of the Department. Adviser of graduate study: Mrs Kennedy.

B. Studio Courses

A fee is charged for materials in 13, 312a and b, 335a and b, 336a and b, 342a.

13 *Introduction to Art.* Appreciation and understanding of the basic principles underlying the structure of the arts, through a study of the visual and aesthetic properties of color, volume, movement, space, line, and texture. Lectures, demonstrations, films, discussion, and workshop experiments. M 9; eight studio hours of which four must be T W 9-11, 2-4; Th F 10-12. Mr Jules, *Director.*

210a *Drawing and Pictorial Organization.* Analysis of form in line and tone; and projects in composition, using various techniques of drawing. Prerequisite, 13 and permission of the instructor. Nine studio hours of which six must be M T W 10-12. Mr Cohen.

210b *Intermediate Painting.* Experimentation with color and the techniques and expressive possibilities of various painting media. Prerequisite, 210a or 335a or 336a, or permission of the instructor. Nine studio hours of which six must be M T W 10-12. Mr Jules.

239 *Introduction to Architecture and Landscape.* Instruction in drafting, perspective, lettering, and surveying together with elementary planning and design problems in both fields. Students must consult the instructor before enrolling. Th F 2-5. Mr Jones.

[312a *Sculpture.* Methods of stone carving. Open to sophomores by permission of the instructor. Prerequisite, 13. Nine studio hours of which six must be M T 2-5. Mr Baskin.]

[312b *Sculpture.* Further work in stone carving; methods of wood carving. Open to sophomores by permission of the instructor. Prerequisite, 312a. Nine studio hours of which six must be M T 2-5. Mr Baskin.]

331a *Advanced Painting.* Problems in pictorial organization with emphasis on oil painting. Prerequisite, 210b or 335b or 336b. Nine studio hours of which six must be Th F 2-5. Mr Jules.

ART

- 331b *Advanced Painting*. Individual expression in painting, using various media. Prerequisite, 331a or permission of the instructor. Nine studio hours of which six must be Th F 2-5. Mr Cohen.
- 335a *Design Workshop*. Advanced studio projects in advertising design, textiles, three-dimensional objects, and related fields. Open to sophomores. Prerequisite, 13 or permission of the instructor. Nine studio hours of which six must be M T 2-5. Mr Dickerson.
- 335b *Design Workshop*. Continuation of 335a with specialized individual projects. Open to sophomores. Prerequisite, 13, 335a or permission of the instructor. Nine studio hours of which six must be M T 2-5. Mr Dickerson.
- 336a *Graphic Arts*. Methods of print-making. Open to sophomores. Prerequisite, 13. Nine hours of which six must be M T 2-5.
- 336b *Graphic Arts*. Continuation of 336a. Open to sophomores. Prerequisite, 336a or permission of the instructor. Nine hours of which six must be M T 2-5.
- 339 *Architecture*. Further problems in planning and design together with instruction in elementary construction. Prerequisite, 239. M T 2-5. Mr Jones.
- 341 *Landscape Architecture*. Advanced problems in landscape design. Prerequisite, 239. Mr Jones.
- 342a *The Art of Photography*. A study of the effect of light and perspective on form. Lectures, demonstrations, and practice based on the use of one-minute positive cameras which, with film, will be available for student use. W 2-4, practice hours to be arranged. Mr Kennedy.
- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in art. *Two or three hours.*
- 510 *Architecture*.
- 512 *Landscape Architecture*.
- 513a, 513b *Painting, Sculpture, Design, or Graphic Arts*. Members of the Department.

THE MAJOR

Advisers: Mrs Van der Poel, Mr Jules, Mr Coe, Mrs Kennedy.

Based on 11 or 13. If the major is based on 13, 11 must also be taken.

Essential Courses: 40b and eighteen semester hours in art of which at least nine must be from Division A.

Optional Courses: other courses in art; Philosophy 33; closely related courses in other fields.

ART

HONORS

Director: Mrs Lehmann.

Prerequisite: 11.

Program: an arrangement, approved by the director, of courses and seminars (or special studies) in art and related fields in preparation for general examinations.

In the senior year the candidate will present a long paper for the first semester and spend three hours in a review unit during the second term.

Examinations: one general examination; one based on specific fields; one testing the candidate's ability to analyze and interpret original works of art.

ASTRONOMY

VISITING LECTURERS: WARREN KIMBALL GREEN, PH.D.
ALBERT P. LINNELL, PH.D.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Astronomy 11 and Physical Science 194.

Students planning to major or to do honors work in astronomy should consult with the Department before the beginning of the second semester of the sophomore year. The research facilities of the Amherst College Observatory will be available to students of Smith College who are majoring or doing honors work in astronomy.

- 11 *Introduction to Astronomy.* The development of the modern concepts of the motions and physical characteristics of the members of the solar and stellar systems will be traced from the past to the present time. General principles rather than details will be stressed. Observations of the constellations and individual objects. Lectures and discussion, three hours; laboratory and observing, two hours. Mr Green. Th F S 11.

Selections from among the following courses can be offered on demand, the hours to be arranged in consultation with the Department.

- 21a *Descriptive Astronomy.* Designed to give a general knowledge of the field. Opportunity for learning the constellations and for using the telescopes. For students who have not taken 11.

21b Repetition of 21a.

- 22a *Observatory Practice.* Training in the use of visual and photographic telescopes and other equipment. Observations of sunspots, lunar and planetary detail, occultations, variable stars, other telescopic objects. Collateral reading. Recitation and conference, three hours; observing and laboratory, four hours.

- 23b *Variable Stars.* Physical characteristics of the various types. Discussion of methods of observation and of obtaining periods and light curves..

ASTRONOMY

- 24b *Celestial Marine and Air Navigation.* Theory and practice in the determination of position on the earth, primarily from observations of celestial bodies. Prerequisite, the first semester of Mathematics 12 or trigonometry presented for entrance. Recitation and discussion, two hours; observing and laboratory, three hours.
- 31a *Spherical and Practical Astronomy.* Theory and use of transit instrument for determination of time, latitude, and instrumental corrections. Prerequisites, 11 or the equivalent and Mathematics 12 or 13. Recitation and conference, two hours; observing and laboratory, four hours.
- 31b *Spherical and Practical Astronomy.* Theory and use of the equatorial telescope. Determination of positions by means of photographic plates and the filar micrometer. Least squares. Prerequisite, 31a. Recitation and conference, two hours; observing and laboratory, two hours.
- 34a *Introduction to Astrophysics.* Analysis of the light of the sun and stars. For students who have had approved courses in astronomy, physics, chemistry, or Physical Science 193 or 194.
- 34b *Astrophysics and Stellar Astronomy.* Special problems of stars and galaxies, including motions and statistical methods of handling observational material. Prerequisite: see 34a.
- 35 *Determination of Orbits.* Methods of computing orbits of comets and planets. Theory and practice. Prerequisites, 11 and Mathematics 21a and b or 22a and b.
- 40b Synoptic Course designed to correlate the work in the major field.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in astronomy. *Two or three hours.*
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51a, 51b Special problems in astrophysics, practical astronomy, or celestial mechanics. *Three hours or more.*

Adviser of graduate study: Mr Green.

THE MAJOR

Adviser: Mr Green.

Based on 11, or an approved combination from 21a or b, 22a, Physical Science 194.

Essential Courses: 31a, 31b, 34a, 40b; Mathematics 21a and b or 22a and b.

Optional Courses: other courses in astronomy except 24b; other courses in mathematics above Grade I; Courses in physics, chemistry, or geology.

ASTRONOMY

HONORS

Director: Mr Green.

Prerequisites: 11; Physics 11 or its equivalent.

Program:

Essential Courses: 31a, 31b, 34a, 34b; Mathematics 21a and b, or 22a and b.

Optional: courses or units in astronomy, mathematics, or physics, chemistry with the approval of the director.

Half of the work of first semester of senior year will be spent on a paper in the field of astrophysics, or on a problem in the field of practical astronomy or celestial mechanics; one fourth of the second semester will be spent in review for the examinations.

Examinations: two general examinations covering the fields of general astronomy, astrophysics, practical astronomy, physics, mathematics; one in the field of concentration, which may be a partly practical examination involving techniques and manipulation of instruments.

BOTANY

ASSOCIATE PROFESSORS:	SARA BACHE-WIIG, PH.D. MARGARET KEMP, PH.D. KENNETH E. WRIGHT, PH.D., <i>Chairman</i>
INSTRUCTOR:	QUENTIN JONES, M.S.
HORTICULTURIST:	WILLIAM I. P. CAMPBELL

SMITH COLLEGE GENETICS EXPERIMENT STATION

VISITING PROFESSOR:	ALBERT FRANCIS BLAKESLEE, PH.D., SC.D. (hon.), LL.D.
VISITING ASSOCIATE PROFESSOR:	SOPHIE SATIN, SC.D. (hon.)
RESEARCH ASSOCIATE:	AMOS GEER AVERY, M.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Botany 11 and Biological Science 195.

Students planning to major in botany are advised to have a knowledge of general zoology or chemistry and a reading knowledge of German or French. See the honors program for additional preparation required.

Unless otherwise stated the prerequisite for all courses above Grade I is 11, Biological Science 195, or permission of the instructor.

- 11 *General Botany*. A study of the life processes and structure of seed plants with emphasis upon their relationship to the needs of man. A survey of representative types of other green and nongreen plants; reproduction, heredity, evolution. Two lectures and two two-hour laboratory periods. Lec. Th F 12. Lab. M T 9, 11, 2; Th F 9, 2. Miss Bache-Wiig, Mr Wright (*Director*), Mr Jones.

- 22a *Economic Botany*. Plants useful to man as a source of food, spices, beverages, drugs, shelter, fuel, textiles, and the raw materials of many industries. Two lectures and one two-hour laboratory period. Lec. Th F 2; Lab. Th 3. Mr Jones.
- 22b *Field and Forest Botany*. A study of ferns and flowering plants of the Northampton region. Principles of classification. Field trips in the spring. One lecture and five hours of laboratory or field work. Th F 2-5. Mr Jones.
- 27 *Horticulture*. Theory and practice of plant cultivation and improvement, with a study of the species commonly cultivated and the preparation of gardens. Two lectures and two two-hour laboratory periods. Lec. Th F 10; Lab. Th F 11. Mr Campbell.
- 31a *Comparative Morphology of Lower Vascular Plants*. The vegetative and reproductive structures and evolutionary development of living and extinct ferns and fern allies, preceded by a brief study of liverworts and mosses. Offered in alternate years. One lecture and five hours of laboratory. M T 2-5. Miss Kemp.
- 31b *Comparative Morphology of Higher Vascular Plants*. The vegetative and reproductive structures and evolutionary development of the Gymnosperms and Angiosperms. Offered in alternate years. One lecture and five hours of laboratory. M T 2-5. Miss Kemp.
- [32a *Microtechnique*. Methods used in the preparation of various plant materials for microscopic study. Offered in alternate years. Six hours of laboratory. M T 2-5. Miss Bache-Wiig.]
- 33a *Plant Breeding*. The principles and problems of inheritance in plants and the methods by which man obtains new varieties. Offered in alternate years. M T W 10. Mr Wright.
- 33b *Plant Geography*. Climate and climatic plant formations of the world. Problems of distribution in relation to migration and barriers. Two lectures and one recitation. M T W 10. Miss Bache-Wiig.
- 34a *Mycology*. The structure, life history, and habitat of representative species of the fungi, with emphasis on theories of origin and relationship. Prerequisite, 11 or Bacteriology 22. This course and Bacteriology 22 may serve as prerequisites for Bacteriology 42b. Offered in alternate years. One lecture and five hours of laboratory. Th F 9-12. Miss Bache-Wiig.
- [35 *Plant Physiology*. A study of plant processes and functions. Offered in alternate years. Two lectures and two two-hour laboratory periods. M T W 11-1. Mr Wright.]

BOTANY

40b Directed Reading and Review. Members of the Department.

41, 41a, 41b Special Studies: work in morphology, anatomy, physiology, taxonomy, ecology, mycology, pathology. By permission of the Department for senior majors who have had twelve semester hours in botany above Grade I. *Two or three hours.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced studies in the fields of morphology, anatomy, physiology, taxonomy, mycology, arranged in consultation with the adviser of graduate work. *One hour or more.* Miss Bache-Wiig, Miss Kemp, Mr Wright, Mr Jones.

52a, 52b Selected problems in a specific field of botany assigned for investigation, experimental work, and discussion. *One hour or more.*

553 Apprenticeship Summer Course in Plant Genetics. Students are offered the opportunity of learning research methods, techniques, and aims through assisting in the current research of the Genetics Experiment Station. For graduate students it is recommended that this course be elected in the summer preceding the first academic year of a program in this field. *Three hours.* Mr Blakeslee, Miss Satin, Mr Avery.

54a, 54b Seminar on problems and methods in modern plant genetics. *One hour.* Mr Blakeslee, Miss Satin, Mr Avery.

55, 55a, 55b Laboratory Practice in Cytogenetics. Preferably taken with 54a or b. *Two hours.* Mr Blakeslee, Miss Satin.

56a, 56b Seminar on recent advances and current problems in botany. Selected topics for reading and individual reports. *One hour.* Members of the Department.

Adviser of graduate study: Mr Wright.

THE MAJOR

Adviser: Miss Kemp.

Based on 11 or Biological Science 195.

Essential Courses: 40b and eighteen hours in botany of which at least twelve must be above Grade II.

Optional Courses: other courses in botany above Grade I; courses in bacteriology, chemistry, geology, physics, and zoology.

HONORS

Director: Miss Bache-Wiig.

Prerequisites: 11; chemistry (one year in preparatory school or college).

Program:

Requirements: 22b (taken before junior year if possible); 31a, 31b, 35; six hours of Grade IV or V in botany, involving a problem and a paper; three hours of directed reading and review.

Optional: courses approved by the director.

Examinations: a general examination covering major fields of botany; one in identification and interpretation of materials and in application of techniques; one in the special field of the candidate.

CHEMISTRY

PROFESSORS:	C. PAULINE BURT, PH.D., SC.D. (hon.) KENNETH WAYNE SHERK, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSORS:	MILTON DAVID SOFFER, PH.D. GEORGE STONE DURHAM, PH.D.
INSTRUCTOR:	ROBERT ELIOT MARTIN, PH.D.
RESEARCH FELLOW:	BARBARA ARLENE SODERBERG, A.B.
TEACHING FELLOWS:	MAE LUCILLE BECK, B.S. VERA NADIA BREWUS, B.S. CORINNE GORDON, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Chemistry 11 and Physical Science 193, 194.

Students who are planning to major in chemistry should elect 11 in freshman year. They are advised to complete Mathematics 12 or 13 the first year. For additional preparation for honors work see that program.

- 11 *General Chemistry*. An introduction to the chemistry of the more common elements and their compounds based upon modern theories of atomic and molecular structure. Two lectures, one recitation, and one three-hour laboratory period. Lec. M T 12; Rec. W 12; Lab. M T F 2. Mr Sherk, Mr Soffer, Mr Durham, Mr Martin.
- 21 *Qualitative and Quantitative Analysis*. Cation and anion analysis using semi-microtechnique. Standard volumetric and gravimetric methods of analysis. Prerequisite, 11. Two lectures and two two-hour laboratory periods. Lec. Th F 12; Lab. T Th F 2. Mr Martin.

CHEMISTRY

- 31 *Organic Chemistry*. A systematic study of aliphatic and aromatic reactions. The fundamental course for all majors in sciences requiring organic chemistry. Prerequisite, 11; open to sophomores by permission of the instructor. Two lectures, one recitation, and one three-hour laboratory period. Lec. and Rec. M T W 12; Lab. M T 2. Miss Burt.
- 34a *Advanced Inorganic Chemistry*. Selected topics with emphasis on structural considerations. Laboratory practice in procedures of inorganic synthesis. Prerequisite, 21. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. M 2. Mr Sherk.
- 38b *Instrumental Methods*. A theoretical and practical study of the applications of various optical and electrical instruments to problems of analysis and structure. Prerequisite, 21. One lecture and six hours of laboratory. Mr Durham.
- 40b Integrating Paper. Members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in chemistry. *Two or three hours*.
- 42a *Biochemistry*. Advanced organic chemistry of biological products. Prerequisite, 31. Two lectures and one three-hour laboratory period. Lec. M T 11; Lab. Th 2. Miss Burt, Mr Soffer.
- 42b *Medicinal Chemistry*. Advanced organic chemistry of natural and synthetic compounds used in medicine. Prerequisite, 31. Two lectures and one three-hour laboratory period. Lec. M T 11; Lab. Th 2. Miss Burt, Mr Soffer.
- 43 *Physical Chemistry*. Theoretical chemistry, including the properties of matter in various states, thermodynamics, equilibrium, kinetics and electrochemistry. For students who have passed 21 and have passed or are taking 31, Physics 11, and Mathematics 12. Two lectures, discussion, and one three-hour laboratory period. Lec. and Dis. M T W 10; Lab. T 2. Mr Durham.
- 45a *Organic Qualitative Analysis*. The separation, characterization, and identification of organic substances; theory and practice. Prerequisite, 31. One lecture and two three-hour laboratory periods. Lec. hour to be arranged; Lab. Th F 2. Mr Soffer.
- 46b *Modern Structural Theories*. Study of modern theories of atomic and molecular structure and their relation to physical and chemical properties. Prerequisites, 31, 34a, or permission of the instructor. Mr Sherk.

CHEMISTRY

Graduate Courses

These courses are designed mainly for graduate students, but, with the proper prerequisites, are open to seniors by permission. It is suggested that a senior majoring in chemistry take at least one of these courses.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Special Studies. (1) Advanced Organic Preparations; (2) Quantum Chemistry; (3) Contemporary Literature; (4) Heterocyclic Natural Products; (5) Theory of Solutions; (6) Electrochemistry. *One hour or more.*

55a *Chemical Thermodynamics*. Prerequisites, 31 and 43 or their equivalents. Mr Martin.

55b *Chemical Kinetics*. Prerequisites, 31 and 43 or their equivalents. Mr Martin.

58a *Advanced Organic Chemistry*. A systematic study of reactions. Miss Burt.

59b *Carbocyclic Natural Products*. The chemistry of terpenic and steroid substances, with particular emphasis upon methods of structural investigation and synthesis. Lectures and discussion. Mr Soffer.

Adviser of graduate study: Mr Soffer.

THE MAJOR

Adviser: Mr Sherk.

Based on 21.

Essential Courses: 31, 34a, 40b, 43, and three additional semester hours in chemistry. Six hours in physics. In the senior year at least twelve semester hours must be taken in the Department.

Recommended Courses: Mathematics 21a and b or 22a.

Optional Courses: courses in chemistry above Grade II, Geology 24a, Bacteriology 22, 34; Zoology 32; courses in mathematics and physics with the approval of the adviser.

The program recommended above meets the requirements of the American Chemical Society for eligibility for professional standing.

HONORS

Director: Mr Sherk.

Prerequisite: 21.

Program:

Essential Courses: 31, 34a, 43, and six additional semester hours in chemistry.

Six semester hours in physics and Mathematics 12 or 13 are required unless taken previously. Three semester hours throughout the senior year will be spent on an individual problem, paper, and review.

Examinations: one in inorganic chemistry; one in organic chemistry and related subjects; one in analytical and physical chemistry.

CLASSICAL LANGUAGES AND LITERATURES

ASSISTANT PROFESSOR: THOMAS GUSTAV ROSENMEYER, PH.D., *Chairman*
INSTRUCTORS: HELEN H. BACON, A.B.
 DORIS M. TAYLOR, A.M.

The courses in the Department which may be taken to fulfill the distribution requirement in Group A are Greek 12a and b, 21a, 22b, 23a, 24b, Latin 14a and b, Classics 28, and 18a in combination with 18b or 29b.

Students planning to major in Classics are advised to take relevant courses in other departments, such as art, history, and philosophy.

GREEK

The prerequisite for courses of Grade III is 22b or 24b, or permission of the instructor.

11 *Elementary Course*. Introduction to the language; selections from Attic authors. Five class hours: M T W Th F 10. Miss Bacon.

12a *Plato: Apology and Crito*. Prerequisite, two units in Greek or 11. M T W 2. Mr Rosenmeyer. (L)

12b *Selections from Homer*. Prerequisite, 12a. M T W 2. Mr Rosenmeyer. (L)

16 *Prose Composition*. Prerequisite, two units in Greek or 11. *One hour each semester*. Miss Bacon.

[21a *The Drama. Euripides and Sophocles*. Prerequisite, 12b or three units in Greek.]

[22b *Homer, Advanced Course*. Prerequisite, 21a or its equivalent.]

23a *Herodotus*. Prerequisite, three units in Greek or 12b. Miss Taylor.

24b *The Drama: Aeschylus and Aristophanes*. Prerequisite, 23a or its equivalent. Mr Rosenmeyer.

31a *Greek Historians*. Mr Rosenmeyer.

32b *Drama, Advanced Course*. Miss Bacon.

[33a *Plato, Advanced Course*.]

[34b *Selections from Lyric and Pastoral Poets*.]

41, 41a, 41b *Special Studies*. By permission of the Department for majors who have had twelve semester hours above Grade I in the Department. *Two or three hours*.

CLASSICAL LANGUAGES & LITERATURES

Religion 25b *Greek New Testament*.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Advanced studies in Greek literature arranged on consultation. *One hour or more.*

Adviser of graduate study: Mr Rosenmeyer.

LATIN

The prerequisite for courses of Grade III is 14b.

12a *Selections from Livy and Ovid*. Prerequisite, two units in Latin. M T W 9. Miss Taylor.

12b *Vergil, Selections from Aeneid I-VI*. Prerequisite, 12a or permission of the instructor. M T W 9. Miss Taylor.

14a *Catullus; Selections from Cicero*. Prerequisite, three units in Latin. Th F S 9. Miss Bacon.

14b *Vergil, Eclogues; Horace, Odes and Epodes*. Prerequisite, 14a or permission of the instructor. Th F S 9. Miss Taylor.

21a *Medieval Latin*. Permission of the instructor. Miss Taylor.

[22a *Latin Comedy*. Permission of the instructor.]

26 *Prose Composition*. Prerequisite, 14b or permission of the instructor. *One hour each semester*. Miss Taylor.

31a *Latin Historians*. Mr Rosenmeyer.

32b *Roman Elegiac Poetry*. Mr Rosenmeyer.

[33a *Roman Satire*. To be given 1956-57.]

[34b *Silver Latin*. To be given 1956-57.]

[35a *Lucretius*. To be given 1955-56.]

[36b *Cicero, Advanced Course*. To be given 1955-56.]

41, 41a, 41b Special Studies. By permission of the Department for majors who have had twelve semester hours above Grade I in the Department. *Two or three hours.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Advanced studies in Latin literature arranged on consultation. *One hour or more.*

CLASSICAL LANGUAGES & LITERATURES

Adviser of graduate study: Mr Rosenmeyer.

CLASSICS

- 18a *Masterpieces of Greek Literature in Translation.* M T W 11. Mr Rosenmeyer.
- 18b *Masterpieces of Latin Literature in Translation.* M T W 11. Miss Taylor.
- 28 *Classical Backgrounds of English Literature.* Not open to students who have taken 18a or 18b. M T W 12. Miss Bacon.
- 29b *Ancient Drama in Translation.* Th F S 11. Mr Rosenmeyer.
- 40b Review Unit. Required of all majors in the Department.

THE MAJOR IN CLASSICS

Advisers: Mr Rosenmeyer, Miss Taylor.

Based on Greek 11 and Latin 14a and b (or, by permission of the adviser, Latin 12b).

Essential Courses: Greek 16, Latin 26, Classics 40b, eighteen semester hours chosen from Greek 21a, 22b, 23a, 24b, 31a, 32b, 33a, 34b, Latin 22a, 31a, 32b, 33a, 34b, 35a, 36b.

Optional Courses: other courses in Greek; courses in Latin above Grade I; allied courses in other departments.

A major in Greek or in Latin may be arranged on consultation with the chairman.

HONORS

Director: Miss Taylor.

Program: to be arranged with the director.

Examinations: one will test the candidate's ability to read Greek and Latin; one, her general knowledge of Greek and Latin literature and classical culture; and one, her mastery of her field of concentration.

Units

The Department will offer units for honors students in classics or in other departments.

ECONOMICS

PROFESSOR:	DOROTHY CAROLIN BACON, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	STANLEY CURTIS ROSS, A.B., LL.D.
ASSISTANT PROFESSORS:	GEORGE FISK MAIR, A.M. HENRY LAURENCE MILLER, JR., A.M., B.A. (Oxon.) KENNETH HALL MCCARTNEY, M.A.

Among the courses which may be taken to fulfill the distribution requirement in Group E are Economics 21, Social Science 192.

21 or 22a is the prerequisite for 31b, 33, 35, 312, 315a and b, 319a and b.

- 21 *The Structure and Functioning of the American Economy.* An introduction to economic principles through the study of economic institutions and problems, including such topics as the production and distribution of goods, the value of money, the level of employment and income, and international trade. Open to freshmen by permission. Lec. W 10. Sect. M T 10, 2; Th F 9, 11, 12. Miss Bacon (*Director*) and members of the Department.

- [22a. *Introduction to Economic Analysis.* Demand and supply, price determination, and distribution theory. Open only to students who have passed Social Science 192. Th F S 11.]

- 23b *Principles of Accounting.* The theory of debits and credits. The organization and use of accounting records, the construction and interpretation of balance sheets and of statements of revenue and expense, and selected special topics. Two lectures and one two-hour laboratory period. M T 10, M 3-5. Mr Mair.

- 28a *Basic Statistics.* Tabulation, graphic presentation, averages, measures of dispersion, simple correlation, and sampling. Lec. Th F 2; two laboratory sections, Th F 3-5, M T 2-4. Mr Ross.

- 214b *Personal Finance and Consumer Economics.* Economic problems which arise in the management of family income. For freshmen by permission of the Department. Not open to students who have taken or are taking Economics 21 or 22a. Th F S 10.

- 31b *Public Finance.* Taxation, government spending, and borrowing. Economic effects and current controversies. Th F S 11.

- 32a *Labor Problems.* History and analysis of the labor movement, collective bargaining, problems of labor relations and personnel management, government intervention. Open to sophomores who have passed 21. M T W 12. Mr McCartney.

ECONOMICS

- 32b *Economics of Labor and Labor Legislation.* Economic effects of union, management, and government policies, and of government, private, and cooperative forms of social insurance. Prerequisite, 32a. M T W 12. Mr McCartney.
- 33 *Economic Analysis.* Selected topics in the history of economic thought and modern economic theory. M T W 11. Mr Miller.
- 35 *Money, Banking, and Economic Fluctuations.* Monetary theory, American and foreign banking systems and problems, foreign exchange, problems of prosperity and depression and the changing responsibilities of government. Th F S 9. Miss Bacon.
- 38b *Economic Statistics.* Multiple correlation, index numbers, time series, and selected applied topics. Open to sophomores. Prerequisite, 28a. Lec. Th F 2; four laboratory hours, T 2-4, Th 3-5. Mr Ross.
- [311b *Government and Business.* The development of public control of business in the United States. Problems of present-day regulation. Prerequisite, 21, 22a, or permission of the instructor.]
- 312 *Business Enterprise.* The organization, financing, management, and regulation of business in the United States. Problems and policies. Th F S 12.
- 315a *International Economics.* World resources and industries, the theory of international trade, foreign investment, international economic relations from the mercantilists to the present time. M T W 2. Mr Miller.
- 315b *International Economics.* A continuation of 315a including international markets, the postwar economic difficulties of various countries, foreign economic policy of the United States since World War II, international economic organizations. Prerequisite, 315a or permission of the instructor. M T W 2. Mr Miller.
- 319a *Comparative Economics: Modern Industrial Systems.* Basic economic issues in capitalism, socialism, communism, and fascism, and their relationships to political and social problems. Particular attention to the United States, Great Britain, and the U.S.S.R. Prerequisite, 21 or permission of the instructor. M T W 9. Mr Mair.
- 319b *Comparative Economics: Underdeveloped Areas.* A comparative study of the economics of selected underdeveloped countries in their political and social setting. Problems of development. Japan as a unique case of non-Western industrialization. Prerequisite, 21 or permission of the instructor; 319a recommended but not required. M T W 11.

ECONOMICS

324b *Population Problems and Policies*. The crucial role of population in current world developments. Trends and significance of basic factors: births, deaths, and migration. Population quality. Comparative survey of the population situation and policies in important areas of the world. Prerequisite, completion of Group E distribution requirement. M T W 9. Mr Mair.

40b *Major Economic Issues*. Required of all senior majors. W 7:30-9:30. Members of the Department.

41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours in economics above Grade I. *Two or three hours*.

[42a *Problems in Applied Economics* (seminar). By permission of the instructor.]

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject to be announced. By permission of the director.

50, 50a, 50b *Research and Thesis*. *Three or six hours*.

51, 51a, 51b *Advanced studies* in such subjects as classical economic theory and its modern transformation; international economic organization; corporations: organization and finance; social security and protective legislation; population problems. *Two hours or more*.

Adviser of graduate study: Mr Mair.

THE MAJOR

Advisers: members of the Department.

Based on 21 or 22a.

Essential Courses: 40b and eighteen semester hours in economics above Grade II.

Optional Courses: nine semester hours in economics or appropriate courses in other departments.

Majors may spend the junior year abroad if they meet the college requirements as stated under the description of the Junior Years Abroad.

HONORS

Director: Miss Bacon.

Prerequisite: Economics 21.

Program: *Economic Analysis* is an essential course for honors, and counts as six of the required eighteen hours of Grade III work. In addition to the eighteen hours, there is required in the first semester of the senior year a long paper to count as three or six hours, and in the second semester three hours of review.

ECONOMICS

Examinations: general theory and its applications; questions on individual fields in economics; questions coordinating the field of the major.

UNITS

Economic Analysis. First semester. *Six hours.* Mr Miller.

[*Studies in International Economic Organization.* Second semester. *Six hours.*]

Topics in Money and Banking. First semester. *Six hours.* Miss Bacon.

[*Corporation Finance and Investments.* Second semester, alternate years. *Six hours.*]

EDUCATION & CHILD STUDY

PROFESSORS:	SETH WAKEMAN, PH.D. CLIFFORD RICHARDSON BRAGDON, A.M., ED.M., <i>Chairman</i>
ASSOCIATE PROFESSORS:	HELEN EVANGELINE REES, ED.D., <i>Director of the Smith College Day School</i> EVELYN BEYER, A.M., <i>Director of the Elisabeth Morrow Morgan Nursery School</i>
ASSISTANT PROFESSORS:	JEAN CARL COHEN, PH.D. MIRIAM FORSTER FIEDLER, PH.D. N. DEMING HOYT, ED.D.
LECTURERS:	RONALD JEREMIAH DARBY, ED.M. MINNIE MARION STINSON, ED.M. RITA ALBERS JULES GEORGE T. PRATT, M.ED.
DIRECTOR OF READING CLINIC:	MARY CHENEY STEPHENSON, ED.M.
INSTRUCTOR:	MARY TEELE CAMPBELL, A.M.

The following courses are recommended to students planning to major in education and child study: Biological Science 195, Psychology 11a, 11b, 12, 25b, Social Science 192, Sociology 26, 27b, Zoology 12.

An opportunity for guidance in reading and study skills is offered to freshmen and a limited number of other students. One period each week, hours to be arranged. Mrs Stephenson.

Students who desire to comply with the varying requirements of different states for certificates to teach in public elementary and secondary schools are urged to consult the chairman as early as possible during their college course. A five-year program is required by certain states for teachers in secondary schools.

EDUCATION & CHILD STUDY

- 21a *Introduction to Education*. Historical and philosophical background of modern educational problems. M T W 2. Mr Bragdon.
- 22a *Educational Psychology*. A study of biological, psychological, and social factors in mental development, with special reference to problems in learning. M T W 12. Mr Wakeman.
- 22b A repetition of 22a. M T W 2.
- 24a *Child Psychology*. Study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Prerequisite, Psychology 11a or 12. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.
- 24b *Psychology of Adolescence*. Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Prerequisite, Psychology 11a or 12, Education 22a or b, or permission of the instructor. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.
- 26b *Foundations of Secondary Education*. Characteristics of the secondary school pupil; present status, purpose, and organization of secondary schools; curriculum. Recommended background, 21a. M T W 2. Mr Bragdon.
- [31a *The Child in Modern Society*. Place of the young child in society; social and educational agencies concerned with child welfare; mental hygiene of early childhood. Directed observations. Alternates with Sociology 39a. Th F 3 and one observation period. Miss Beyer.]
- 34b *Child Study*. Growth, development, and guidance of the young child. Systematic observation and study of preschool children. Recommended background, 24a or 22a or b. Th F 2 with morning observation periods to be arranged. Miss Beyer.
- 35a *Elementary School Child*. Growth and development of the child in the elementary school; study of curriculum and modern practices. Recommended background, 21a and 22a or b or 24a. Two class hours and observation. M W 9. Miss Rees.
- 36b *American Education*. Evolution of American educational thought and institutions; development of American education related to the growth of the nation. For sophomores who have passed 21a. M T W 9. Mr Hoyt.
- 37a *Comparative Education*. Influence of national attitudes in education. The educational situation in England, France, Germany, and Soviet Russia, with special attention to the problems of the postwar period. M T W 3. Mr Hoyt.

EDUCATION & CHILD STUDY

- 38b *Education and Contemporary Social Philosophy.* An examination of the impact of recent socio-economic changes on higher and secondary education in the United States. M T W 3. Mr Hoyt.
- 39a *Educational Measurements.* Study of measures designed to improve instruction and assist pupil adjustment in school. Practice in construction, administration, and interpretation of tests. T 4-6 and a laboratory period to be arranged. Mr Hoyt.
- 310b *Music Education.* Methods and materials of music education in the pre-school and elementary grades. For majors or by permission of the instructor. M 3-5, T 3. Mrs Scatchard.
- 311a *Art Education Workshop Course.* Theory and practice of art education in the elementary school. By permission of the instructor. Mrs Jules.
- 40b Senior Unit, designed to correlate and unify the student's work in her major field. M T 4-5. Mr Wakeman and members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in education above Grade I. *Two or three hours.*
- 42b *Advanced Educational Psychology.* Selected problems, reports, and discussion. By permission of the instructor. Recommended background, 22a or b and one course in psychology above Grade I. Mr Wakeman.
- 43 *Preschool Education.* Theory and practice in the modern nursery school and kindergarten. Two class hours and two periods of participation. Required trip. Prerequisites, 34b and permission of the instructor. Th 4. Miss Beyer.
- 44b *Seminar in Child Psychology.* Selected problems, reports, and discussion. Prerequisites, 24a and permission of the instructor. Mrs Cohen.
- 45 *Elementary Education.* Theory and practice in the modern elementary school, kindergarten through grade eight. Two class hours and two periods of participation in elementary schools. Prerequisites, 35a and permission of the instructor. Th 4. Miss Rees and Miss Campbell.
- 46 *Secondary Education.* Methods and practices in secondary schools; an intensive study of the teaching of one of the subjects in the curriculum. Observation and directed practice. Required trip. Prerequisites, 26b and permission of the instructor. Th 4 and one period of observation and practice. Mr Bragdon, Mr Darby.

EDUCATION & CHILD STUDY

410b *Experimental Child Psychology*. Observation of techniques of child study, individual research. One period for discussion, two laboratory periods. Prerequisite, Education 34b or Psychology 24a and permission of the instructor. Mrs Fiedler.

French 37a *Teachers' Course*.

Music 320 *Elementary School Music*.

Music 46 *Advanced School Music*.

Spanish 32a *Teachers' Course*.

Speech 48a, 48b *Teachers' Course*.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced Studies; special problems in education. *One hour or more*.

52, 52a, 52b *Problems of American Education*. Required of all candidates for the Master's degree in education. Mr Wakeman and members of the Department.

53b *Preschool and Parent Education*. Miss Beyer.

54b *Elementary Education*. Miss Rees.

55a *Secondary Education*. Mr Bragdon.

56b *Higher Education*. History and present status in the United States. *One or more hours*. Mr Wakeman.

57 *Problems in the Education of the Deaf*. Historical development of education of the deaf, the physiological and psychological problems of deaf children, and problems of curriculum, with emphasis on language. By permission of the instructor. Mr Pratt.

59, 59a, 59b *Practice Teaching*. Given under the supervision of members of the Department. For qualified graduate students by permission of the Department. *One hour or more*.

510a *Child Development*. Miss Rees and Miss Beyer.

Adviser of graduate study: Mr Wakeman.

THE MAJOR

Students majoring in the Department may concentrate (1) in child development as preparation for teaching in nursery and elementary schools, (2) in the history, philosophy, or psychology of education, or (3) may prepare for graduate work leading to a professional degree.

EDUCATION & CHILD STUDY

Advisers: members of the Department.

Based on 21a or 22a or b and one course in education and child study, psychology, sociology, or Social Science 192.

Essential Courses: 40b and eighteen semester hours in education.

Optional Courses: other courses appropriately related.

HONORS

Director: Mr Bragdon.

Prerequisites: courses listed as bases for the majors.

Program and Examinations: detailed plans of study may be had on consultation with the director.

ENGLISH LANGUAGE & LITERATURE

PROFESSORS:

**HOWARD ROLLIN PATCH, PH.D., LITT.D.

ESTHER CLOUDMAN DUNN, PH.D.

MARY ELLEN CHASE, PH.D., LITT.D., L.H.D.

NEWTON ARVIN, A.B.

CHARLES JARVIS HILL, PH.D.

SAMUEL ATKINS ELIOT, JR., A.B.

HELEN WHITCOMB RANDALL, PH.D.

ROBERT GORHAM DAVIS, A.M., *Chairman*

DANIEL AARON, PH.D.

ALFRED YOUNG FISHER, DOCTEUR DE L'UNIVERSITÉ DE DIJON

ELIZABETH DREW, B.A. (Oxon.)

VISITING PROFESSOR:

WILLIAM ALLAN NEILSON

RESEARCH PROFESSOR: ALFRED KAZIN, B.S.S., A.M.

ASSOCIATE PROFESSORS:

KATHERINE GEE HORNBEAK, PH.D.

EDNA REES WILLIAMS, PH.D.

†ELEANOR TERRY LINCOLN, PH.D.

ASSISTANT PROFESSORS:

ROBERT TORSTEN PETERSSON, PH.D.

EVELYN PAGE, PH.D.

GEORGE GIBIAN, PH.D.

INSTRUCTORS:

ROBERT OTTO PREYER, PH.D.

MARLIES KALLMANN, A.M.

ROBERT PAYSON CREED, A.M.

JAMES HAROLD DURBIN, JR., M.A.

MARTHA WINBURN ENGLAND, PH.D.

ELIZABETH GALLAHER VON KLEMPERER, A.M.

WENDELL STACY JOHNSON, PH.D.

ENGLISH LANGUAGE & LITERATURE

The courses in English which may be taken to fulfill the distribution requirement in Group A are 21, 23, 211, 212.

Students who are planning to major in English and have entered with less than three units of Latin or Greek or a combination of the two, will be required to take Latin 12b, Greek 11, 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b. They are urged to take at least one course each in history and philosophy.

- 11 *Freshman English*. Practice in expository and critical writing in connection with the study of selected literary forms. Members of the Department. Miss Chase, *Director*.

A. Language and Literature

- 21 *The Patterns of English Literature*. An analysis through lectures, reading, and discussion of representative authors and works, chosen for the purpose of illustrating the temper and the controlling ideas of successive periods from the earliest period to the present day. Th F S 10. Mr Hill and Mr Petersson.
- 23 *Forms of the Drama*. Survey of the principal forms, European and Asiatic, with special attention to the different kinds of theatre and to the greatest plays and playwrights from Aeschylus to Hebbel. M T W 3. Mr Eliot.
- 25a *Literature of the Middle Ages*. Motifs and ideas from Greek and Roman literature, Germanic, and Celtic, in the *Consolation of Philosophy*, Medieval lyrics, the *Nibelungen Lied*, Irish folk tales, and other important works. Reading based on translations. M T W 9. Mr Patch.
- [25b *Literature of the Middle Ages*. Characteristic motifs and ideas in epic, romance, allegory, and drama. Reading based on translation. M T W 9. Mr Patch.]
- 28a *Seventeenth Century Prose*. Major prose writers, including Bacon, Jonson, Donne, Browne, Taylor, Bunyan, and Dryden, studied for their ideas and techniques, and as they illustrate the shift from Elizabethan to modern style. Th F S 10. Mr Petersson.
- 211 *Literature of the Nineteenth and Twentieth Centuries*. Open to sophomores only. Th F S 9. Miss Randall, first semester; Miss Drew, second semester.
- 212 *American Literature to 1900*. Th F S 9. Mr Aaron.
- 31 *Chaucer*. M T W 10. Mr Patch, first semester; Miss Williams, second semester.
- 32 *The History of the English Language*. Th F S 9. Miss Williams.
- 33 *Old English*. Language and literature of the Old English period, with emphasis on the study of *Beowulf*. W Th F 2. Miss Williams, first semester; Mr Creed, second semester.

ENGLISH LANGUAGE & LITERATURE

- 34b *Sixteenth Century Literature*. Prose and poetry from Wyatt through Spenser, Raleigh, and the early Donne. Th F S 11. Miss Dunn.
- 35b *English Drama from 1560 to 1642*. Shakespeare's predecessors and contemporaries. Open to sophomores by permission of the instructor. M T W 11. Mr Fisher.
- 36 *Shakespeare*. A study of Shakespeare's dramatic development against the background of Elizabethan ideas, social, critical, and theatrical. Not open to students who have taken 37 with which this course alternates. Th F S 12. Miss Dunn.
- [37 *Shakespeare*. The dramatic and poetic art of Shakespeare. For students majoring in English. Not open to students who have taken 36 with which this course alternates. M T W 12. Mr Hill.]
- 38b *Seventeenth Century Poetry from Donne to Dryden*. Th F S 10. Miss Kallmann.
- [39b *Milton*. W Th F 3. Miss Lincoln.]
- 310a *Augustan Satire*. Theories and techniques of satire studied in the work of Addison, Steele, Pope, Swift, and Gay. M T W 12. Miss Hornbeak.
- 310b *The Age of Johnson*. Biography, essay, criticism, poetry. M T W 12. Miss Hornbeak.
- [311 *Drama from 1660 to the Present*. Th F S 10.]
- 312 *Modern European Drama*. Drama (in translation) in Russia, Norway (Ibsen, Bjornson), Sweden (Strindberg), France after 1848, Germany after 1888, Austria, Hungary, Italy, and Spain. Th 4-6, F 4-5. Mr Eliot.
- 313b *Drama in Asia*. India, the Indo-Chinese and Malay countries, Tibet, China, and Japan. Mr Eliot.
- 314 *The Development of the English Novel*. Daniel Defoe to D. H. Lawrence. M T W 11. Mr Hill.
- [319b *Romanticism*. Blake, Wordsworth, Coleridge, Shelley, and Keats. Th F S 11. Miss Randall.]
- 321a *Transcendentalism in American Literature*. Emerson, Thoreau, and Whitman. M T W 9. Mr Arvin.
- 321b *American Fiction from 1830 to 1900*. Hawthorne, Melville, and James. M T W 9. Mr Arvin.
- 40b *Review Unit*.

ENGLISH LANGUAGE & LITERATURE

- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours in English above Grade I. *Two or three hours*.
- 43a *Some Romantic Poets: Byron, Wordsworth, Coleridge, and Others*. Their poetical and literary theories and innovations; the background both in England and on the Continent, including political and social influences. Th F S 11. Miss Dunn.
- 44a *Twentieth Century British Literature*. Joyce, Yeats, Eliot. Th F S 9. Miss Drew.
- 415a *Literary Criticism*. For seniors majoring in English. Mr Arvin.
- 417b *The Twentieth Century American Novel*. Th F S 10. Mr Kazin.

B. Composition

Only one course in English composition may be taken in any one semester except by permission of the chairman. Second semester courses are open both to students who have and those who have not taken the corresponding course in the first semester.

[112a, 112b *Composition for Foreign Students*.]

220a, 220b *Practice in Various Forms of Writing*. M T W 11, 2. Miss Page (*Director*), Mr Johnson, Mrs von Klemperer.

345a *Playwriting*. Practice in writing the one-act play. *Two or three hours*. T 4-6. Mr Eliot.

345b *Playwriting*. 345a is not a prerequisite, but students who have passed it will write a full-length play. Mr Eliot.

347a, 347b *Short Story Writing*. Though the emphasis in this course will be on fiction, opportunity will be given for other kinds of writing. By permission of the instructor. W Th F 2. Mr Kazin, first semester; Mr Davis, second semester.

[348a *Poetics and Practice in Verse Writing*. By permission of the instructor. Mr Fisher.]

428a, 428b *Advanced Composition*. Practice in the writing of fiction. For seniors by permission of the instructor. Mr Fisher.

429a, 429b *Advanced Playwriting*. Prerequisite, 345a or b or the equivalent. *One hour or more*. Mr Eliot.

C. Graduate Courses

50, 50a, 50b *Research and Thesis*. *Three or six hours*.

ENGLISH LANGUAGE & LITERATURE

51, 51a, 51b Advanced studies arranged in consultation with the Department.
One hour or more.

53a *Seminar in Middle English Poetry.* Emphasis will be placed on the works of Chaucer, medieval romances, or medieval drama, according to the special needs of the students. Attention will be given not so much to the reading of texts as to problems of research. Mr Patch.

55a *Shakespeare.* Critical problems, textual and literary. Lectures and reports. Miss Dunn.

[57a *Studies in Seventeenth Century Literature.* Miss Lincoln.]

58b *Studies in Eighteenth Century Fiction.* Miss Hornbeak.

[59a, 59b *Studies in Nineteenth Century Poetry.*]

[510b *Studies in Nineteenth Century Fiction.* George Eliot and George Meredith. Mr Hill.]

[512a, 512b *Studies in American Literature.* Mr Aaron.]

Adviser of graduate study: Miss Hornbeak.

THE MAJOR

Advisers: Miss Dunn, Mr Arvin, Mr Hill, Miss Randall, Mr Davis, Miss Drew, Miss Hornbeak, Mr Fisher, Miss Williams, Miss Lincoln, Mr Gibian, Mr Petersson.

Based on six semester hours from Division A or General Literature 291.

Essential Courses: 40b and eighteen semester hours from Division A, including at least one of the following: 31, 32, 33, or a course in Greek language and literature.

Optional Courses: nine semester hours in English or foreign literatures or in closely allied fields.

In consultation with her adviser every student should arrange the program of her three upper years so as to allow for a reasonable distribution in different periods.

HONORS

Director: Miss Page.

Prerequisites: see the requirements for entrance to the major.

Program: students must fulfill the general requirements of the major. The units offered by the Department cover the fields of literary history, major figures, the primary types, and literary theory and criticism. Candidates must take at least one unit each year in the junior and senior years.

In the first semester of senior year honors students will present a long paper to count for six hours, outside the eighteen semester hours in the major.

ENGLISH LANGUAGE & LITERATURE

Each student must correlate a small and carefully circumscribed area of her work in English with at least three hours in units or courses in a closely related field, *e.g.* history, philosophy, religion, classics, modern languages, the theatre, art, and music; or with work in linguistics and composition in the Department. Examinations: two examinations will be general, the third will test the candidate's work in her chosen program of correlation.

FRENCH LANGUAGE & LITERATURE

PROFESSORS:	VINCENT GUILLTON, AGRÉGÉ DE L'UNIVERSITÉ HÉLÈNE CATTANÈS, DOCTEUR DE L'UNIVERSITÉ DE PARIS RENÉ GUIET, DOCTEUR DE L'UNIVERSITÉ DE PARIS, <i>Chairman</i> MARGARET HILL PEOPLES, PH.D. MARTHE STURM, LIC. ÈS L., DIPLÔME D'ÉTUDES SUPÉRIEURES MARINE LELAND, PH.D., LITT.D. (Hon.)
ASSOCIATE PROFESSORS:	LOUISE MARIE BOURGOIN, LIC. ÈS L., O.A. MADELEINE GUILLTON, LIC. ÈS L., A.M. A. JEANNE SALEIL, AGRÉGÉE DE L'UNIVERSITÉ
ASSISTANT PROFESSORS:	JEANNE GUIET, A.M. ANNE GASOOL, A.M. RUTH TEMPLETON MURDOCH, PH.D.
INSTRUCTORS:	MARY LOUISE LIBBY, A.M. LUCILE FRENILLOT MARTINEAU, A.M. WILLIAM CURTIS MEAD, B.A.

The course in French which may be taken to fulfill the distribution requirement in Group A is 26.

All classes in the Department except 312a are conducted in French.

Freshmen who plan to major in French or who hope to spend the junior year in Paris or in Geneva are advised to take 13 or 22a and b.

It is recommended that students have a reading knowledge of a second language (ancient or modern), and that those planning to major in French take a general course in English literature and one in European history.

A. Language

11D *Elementary Course* (first and second parts). *Six hours each semester.* M T W Th F 10, 11, or M 3, T W Th F 2, and one hour to be arranged. Members of the Department. (L)

FRENCH LANGUAGE & LITERATURE

- 12 *Elementary Course* (second part). Prerequisite, two units in French. M T W 10, 11, 12; Th F S 10, 11, 12. Members of the Department.
- 13 *Reading, Grammar, and Composition*. Prerequisite, three units in French, 12, or 11d. M T W 9, 12; Th F S 9, 10. Members of the Department.
- 22a, 22b *Intermediate Course*. Reading and discussion of modern texts. Written and oral reports. Prerequisite, four units in French, 13, or 16. M T W 9, 10; Th F S 9, 11. Members of the Department.
- 24a *Theoretical and Practical Phonetics*. Exercises in hearing, pronunciation, and phonetic dictation. Two class hours. One hour. Th F 4. Miss Sturm.
- 24b A repetition of 24a.
- 31b *Advanced Course in Grammar and Composition*. Recommended to those who intend to teach French. Prerequisite, 22a and b. M T W 10. Miss Cattànès.
- 34b *Advanced and Experimental Phonetics*. Prerequisite, 24a or b. Two hours. Miss Sturm.
- 37a *Teachers' Course*. Problems and methods of modern language teaching. Practice in teaching. Miss Cattànès.

B. Literature

Unless otherwise stated the prerequisite for courses of Grade III is 26.

- 16 *Introduction to French Literature*. Choice of representative texts; literary, historical, and cultural background. The written work is done in English. Prerequisite, three units in French, 12, or 11d. M T W 9, 10, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L)
- 26 *Masterpieces of French Literature of the Nineteenth Century*. Novel, drama, poetry. Prerequisite, four units in French, 13, or 16. M T W 9, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L)
- 310b *Life and Works of Molière*. Alternates with 316a. W Th F 2. Miss Leland.
- 311 *French Literature in the Seventeenth and Eighteenth Centuries*. Th F S 9. Mr Guilloton.
- 312a *French-Canadian Civilization from 1763 to the Present*. Conducted in English. Recommended background, a reading knowledge of French. W Th F 2. Miss Leland.
- [316a *French Literature to the End of the Renaissance*. Alternates with 310b. Th F S 10. Mr Guet.]

FRENCH LANGUAGE & LITERATURE

- 317a *The French Novel from 1700 to 1850*. Alternates with 320a. Th F S 10. Mr Guiet.
- 318a *Contemporary French Drama and Poetry*. Recommended background, 311. Th F S 11. Mrs Guilloton.
- 318b *Contemporary French Novel*. Recommended background, 311. Th F S 11.
- [320a *The French Novel from 1850 to 1914*. Alternates with 317a. Miss Cattànès.]
- 323b *Modern France*. Social and cultural trends. Primarily for majors not taking their junior year in Paris. Miss Sturm.
- 40b Review Unit.
- 41, 41a, 41b Special Studies in French language or literature. By permission of the Department for senior majors who have had twelve semester hours above Grade I in French. *Two or three hours*.
- 45a *History of Modern French Thought*. The Renaissance to the present. For seniors by permission of the instructor. Miss Sturm.
- [47a *Studies in Eighteenth Century Literature*. Alternates with 48a. For seniors by permission of the instructor. Miss Peoples.]
- 48a *Victor Hugo*. Alternates with 47a. For seniors by permission of the instructor. Miss Peoples.

C. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged in consultation with the Department. *One hour or more*.
- 52 *Old French*. Linguistics and literature. Miss Leland.
- 53 *Problems of Modern Syntax*. Miss Cattànès.
- 56a *Development of Literary Criticism in France*. Mr Guilloton.
- 56b *Literary Relations between England and France in the Eighteenth Century*. Mr Guilloton.
- 58b *Montaigne*. *One hour or more*. Mr Guiet.
- 510b *French Poetry from 1885 to the Present*. Mrs Guilloton.
- Adviser of graduate study: Miss Peoples.

FRENCH LANGUAGE & LITERATURE

THE MAJOR

Advisers: Miss Libby for 1954. Miss Cattànès for 1955.

Based on 26; on 16 or 13 if 26 is taken junior year in addition to the major.

Essential Courses: 40b and eighteen semester hours in French.

Optional Courses: other courses in the Department or in allied fields.

HONORS

Director: Miss Leland.

Prerequisite: 26.

Program:

Requirements: the general requirements for the major; a unit involving the writing of a paper; a review unit.

Optional: with the approval of the director any unit or course in French or in an allied field of Grade III or IV or, for seniors, Grade V.

Examinations: of the three examinations, the two on literature will be written in English. One general examination on the whole field of French literature; one specialized examination on a limited period (sixteenth, seventeenth, eighteenth, or nineteenth century, or the modern field); one on language with translation from English to French, from French to English, and a short composition in French.

GEOLOGY & GEOGRAPHY

ASSOCIATE PROFESSORS: ROBERT FRANK COLLINS, A.M.

**CAROLINE HEMINWAY KIERSTEAD, PH.D.

BENJAMIN MARTIN SHAUB, PH.D.

ASSISTANT PROFESSORS: HELEN STOBBE, PH.D., *Chairman*

MARSHALL SCHALK, PH.D.

TEACHING FELLOW: MARILYN VOLZ, A.B.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Geology 11 and Physical Science 194.

Students planning to major or to do honors work in geology are advised to take at least one of the following: chemistry, physics, or zoology.

11 *General Geology*. Forces of nature now modifying the materials and structure of the earth; history of the earth. Field trips. Two lectures and one hour of discussion following two hours of laboratory. Lec. Th F 10. Lab. and Dis. M 9-12; M, T, Th, F 2-5; S 9-12. Mr Collins, Mr Schalk.

GEOLOGY & GEOGRAPHY

- 21a, 21b *Introductory Meteorology*. The weather elements; their observation; air mass analysis; short-term and aeronautical forecasting; climatology. Prerequisite for 21b, 21a. Two lectures and one demonstration. Mr Schalk.
- 24a *Mineralogy*. General principles; study of the more important rock-forming and economic minerals. For students who have passed or are taking 11, Chemistry 11, Physics 11, or Physical Science 193 or 194. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and Rec. Th F 9; Lab. M 2-4:30. Mr Shaub.
- 25b *Lithology*. Interrelation of the main rock types; their origin, structure, mineral composition, occurrence, and economic importance. Field methods of identification. Prerequisites, 11 and 24a. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and Rec. Th F 9; Lab. M 2-4:30. Mr Shaub.
- 211a *Gems and Precious Stones*. Their properties, origin, and occurrence; their recovery, processing, and marketing; their history. M T W 10. Mr Shaub.
- 212b *Gems and Precious Stones*. Laboratory identification of natural, synthetic, and artificial gems; cutting and processing semiprecious stones. Prerequisite, 211a. One hour. Mr Shaub.
- 213a *Geography of Canada and Alaska*. The physical features, climate, natural resources, and regional characteristics with emphasis on the development, utilization, and conservation of natural resources. M T W 10. Mrs Kierstead.
- [213b *Geography of United States and the West Indies*.]
- 31a *Geography of Asia*. Influence of relief, climate, and natural resources on the life, movements, and history of its peoples. M T W 10. Miss Stobbe.
- 31b *Europe and North Africa*. Geographic backgrounds of current problems. M T W 10. Miss Stobbe.
- 32a *South America*. Geography of the continent; climatic and physiographic backgrounds of cultural, political, and economic development. M T W 12. Miss Stobbe.
- 33 *Land Surfaces of the United States*. Physiographic foundations of American regional, economic, and social culture. Systematic description of physical divisions of the United States. Geomorphic processes and principles. Th F 11 and one hour recitation to be arranged. Mr Collins.
- 34a, 34b *Economic Geology*. Lectures and laboratory study of geological products of commercial value. Prerequisites, 11, or 24a, or Chemistry 11, or Physical Science 194. Lec. Th F 12; Lab. hours to be arranged. Miss Stobbe.

GEOLOGY & GEOGRAPHY

- 35a, 35b *Historical Geology*. Evolution of modern life and its relation to Cenozoic environment. Prerequisite for 35a, 11; for 35b, 35a. Lec. Th F 12 and one hour to be arranged. Mr Collins.
- [36a, 36b *Field Geology*. Methods; theory and use of Brunton, alidade, and other mapping instruments; topographic and geologic surveying; applied structural geology. Prerequisite for 36a, 11; for 36b, 36a. Given in alternate years. T Th 2-6. Mrs Kierstead.]
- [37a *Stratigraphy*. Geological systems and subdivisions; their invertebrate fossil content and lithologic characteristics. A field trip of one or more days. Prerequisite, 11. Mrs Kierstead.]
- 38a *Optical Mineralogy*. Optical properties and identification of minerals in fragments and thin sections. Prerequisite, 25b. Mr Shaub.
- 39b *Petrography*. Identification and classification of rocks with the polarizing microscope. Prerequisite, 38a. Mr Shaub.
- 314b *Geology of Petroleum and Natural Gas*. Their origin, occurrence, and distribution; application of geological principles to their finding and exploitation. Prerequisite, 11, Physical Science 194, or permission of the instructor. Mr Schalk.
- 322a *Structural Geology*. The study and interpretation of rock structures; their origin, topographic effect, and economic importance. Open to students who have passed Geology 11. Lec. T W 12; Lab. two hours to be arranged. Mrs Kierstead.
- 323a, [323b] *Paleontology*. Marine invertebrate fossils and their significance in interpreting the history, climate, and geography of the past. Open to sophomores by permission of the instructor. Alternates with Geology 46a and b. Two lectures and three hours of laboratory. Lec. Th F 10; Lab. Th 2-5. Mrs Kierstead.
- 326 *Economic Aspects of Geography*. Mineral and agricultural resources of the world in relation to their geologic and geographic setting, their influence on social and economic conditions, and the part they play in world affairs. Open to sophomores by permission. M T W 11. Mr Shaub.
- 328a *Principles of Cartographic Drafting, Editing, Reproduction*. Practice in map reading, compilation and simple map drafting. Lecture, two hours; laboratory, three hours. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.
- 328b *Geologic and Geographic Illustration*. Charts, graphs, block diagrams, sections. Drawing for reproduction. Two lectures and three hours of laboratory. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.

GEOLOGY & GEOGRAPHY

40b Senior Review Essay. For seniors majoring in geology or geography. M 2-5. Members of the Department.

41, 41a, 41b Special Studies in geology or geography. By permission of the Department for senior majors who have had twelve semester hours above Grade I in the Department. Members of the Department. *Two or three hours.*

[46a, 46b *Micropaleontology*. A study of micropaleontology with particular emphasis on Foraminifera, their classification and importance in petroleum geology. By permission of the instructor. Given in alternate years. Lec. M T 12; Lab. M 2-5. Mrs Kierstead.]

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Individual problems in geology or geography. *Two hours or more.*

[52], 52a, [52b] *Paleontology or Stratigraphy*. *Two hours or more.* Mrs Kierstead.

53, 53a, 53b *Physiography*. *Two hours or more.* Mr Collins.

[54], 54a, [54b] *Structural Geology*. *Two hours or more.* Mrs Kierstead.

55, 55a, 55b *Crystallography, Mineralogy, Petrology, or Gemology*. *Two hours or more.* Mr Shaub.

57, 57a, 57b *Petroleum Geology*. *Two hours or more.* Mr Schalk.

Adviser of graduate study: Miss Stobbe.

THE MAJORS

Geology

Advisers: Mr Collins, Mrs Kierstead, Mr Shaub.

Based on 11, or, by permission of the Department, on Physical Science 194.

Essential Courses: 36a and b, 40b, and twelve semester hours in geology.

Optional Courses: other courses in geology or in other sciences.

Geography

Advisers: Miss Stobbe, Mr Schalk.

Based on 11, 213a, 21a, or 326.

Essential Courses: 11 if not already taken; 40b and twelve semester hours above Grade II in the Department.

Optional Courses: other courses in geology; courses in other sciences, history, and economics.

GEOLOGY & GEOGRAPHY

HONORS IN GEOLOGY

Director: Miss Stobbe.

Prerequisites: 11, and 323a and 323b or 24a and 25b; and one year of college chemistry, physics or zoology.

Program:

Requirements: 323a and 323b or 24a and 25b (whichever has not been taken previously); 33, 36a and 36b; and six additional hours of Grade III or above in geology or six hours in an advanced course of a science other than geology.

Examinations: two will be in the general field of the major; a third may be in a field of concentration.

GERMANIC LANGUAGES & LITERATURES

PROFESSOR: PAUL GERALD GRAHAM, PH.D., *Chairman*

ASSOCIATE PROFESSOR: †MARIE SCHNIEDERS, PH.D.

ASSISTANT PROFESSOR: ANITA LURIA ASCHER, PH.D.

INSTRUCTOR: HELENE SOMMERFELD, A.M.

The courses in German which may be taken to fulfill the distribution requirement in Group A are 25a and b, 26, 27a and b.

Students who possess a thorough knowledge of German considerably in excess of what they need to offer for admission, or of what their preparatory school work indicates, may be assigned to more advanced classes. They should consult the chairman of the Department.

Students planning to major in German should carry work in German in the first two years. A course in European history and a course in philosophy are also recommended.

Those who need a knowledge of German for use in the sciences will be given appropriate reading in the various German courses.

A. German Language

11 *Elementary Course*. Five class hours. *Three hours each semester*. M T W Th F 9, 11, 12. Mr Graham (*Director*), Miss Ascher.

11D *Elementary Course* (covering the work of two years). Seven class hours. *Six hours each semester*. M T W Th F 10 and two hours to be arranged. Mrs Sommerfeld. (L)

12 *Intermediate Course*. Prerequisite, two units in German or 11. M T W 11, Th F S 11, two additional hours to be arranged for conversation in place of some preparation. Miss Ascher, Mrs Sommerfeld. (L)

GERMANIC LANGUAGES & LITERATURES

- 21 *Composition and Conversation*. Prerequisite, three units in German, 11D, 12, or the equivalent. Mrs Sommerfeld.

B. German Literature

The prerequisite for courses of Grade III is a Grade II course or the equivalent.

- 25a, 25b *Modern Prose*. The *Novelle* of the nineteenth and twentieth centuries. Prerequisite, three units in German, 11D, 12, or the equivalent. Th F S 11. Miss Ascher. (L)
- 26 *An Introduction to the Classical Literature of the Eighteenth Century*. Selections from the works of Lessing, Goethe, and Schiller. Prerequisite, three units in German, 11D, 12, or the equivalent. M T W 10, Th F S 10. Mr Graham. (L)
- [27a *German Literature in Translation*. Classicism and romanticism.]
- [27b *German Literature in Translation*. Realism, naturalism, and contemporary literature.]
- 34a, 34b *German Literature of the Nineteenth Century*. Beginning with the romantic movement. Mr Graham.
- 35b *An Historical Survey of German Literature*. The earliest times to the middle of the eighteenth century. Miss Ascher.
- 38a *Masters of Modern German Literature*. Selected works of representative writers since 1890.
- 311a *Goethe: His Life and Works*.
- 311b *Goethe's Faust, Parts I and II*.
- 40b Directed reading required of seniors majoring in the Department.
- 41, 41a, 41b Special Studies arranged in consultation with the Department. By permission of the Department for senior majors who have had twelve semester hours above Grade I in German. *Two or three hours*.

C. Germanic Philology

- [42a *Historical Survey of the German Language*. Miss Schnieders.]

D. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours*.

GERMANIC LANGUAGES & LITERATURES

51, 51a, 51b Special Studies in the fields of literature and linguistics arranged in consultation with the Department. *One hour or more.*

Adviser of graduate study: Mr Graham.

THE MAJOR

Adviser: Mr Graham.

Based on 11b or 12.

Essential Courses: 21, 35b, 40b, and nine semester hours of other German courses above Grade II.

Optional Courses: courses in German except 27a and b, in literature, history, or philosophy.

HONORS

Director: Mr Graham.

Prerequisites: 21, 26, or the equivalent.

Program: a minimum of forty-eight semester hours.

Requirements: a minimum of twenty-four semester hours in the Department; twelve hours in related fields; three or six in first semester of senior year on the preparation of a paper; three in second semester on directed reading.

Examinations: an examination on the general field; one on a specialized field; and an analytical examination which may include such topics as problems of analysis, criticism, and style, translation from German into English and from English into German, a composition in German.

UNITS

The Department will offer units in the fields of linguistics, literature, and language for honors students in German or for honors students in other departments who have had a Grade II course in German. In addition, units conducted in English will be offered for honors students in other departments who have had no German.

GOVERNMENT

PROFESSORS:

BENJAMIN FLETCHER WRIGHT, PH.D., LL.D.

GWENDOLEN MARGARET CARTER, PH.D., *Chairman*

ASSOCIATE PROFESSOR:

ALAN BURR OVERSTREET, PH.D.

ASSISTANT PROFESSORS:

CECELIA MARIE KENYON, PH.D.

ROY PIERCE, PH.D.

DONALD ROWE MATTHEWS, PH.D.

LEO WEINSTEIN, A.M.

INSTRUCTOR:

JOHN WILLIAM CHAPMAN, PH.D.

GOVERNMENT

Among the courses which may be taken to fulfill the distribution requirement in Group E are Government 11, 21, 31, 37a and b, 323, Social Science 192.

For students planning to major or to do honors work in the Department, History 11, Economics 21, and Sociology 26 are suggested. See also the honors program.

- 11 *Introduction to Political Science.* A study of the leading ideas of the Western political tradition and their application to the analysis of contemporary political systems. For freshmen and sophomores only; not open to students who have taken Social Science 192. Two lectures and one recitation. Lec. M T 12. Rec. W 9, 12, 2; Th 11, 12, 3; F 11, 2. Mr Overstreet, Mr Pierce, and members of the Department.
- 11a The first semester of 11 for sophomores who have passed Social Science 192. Hours and instructors as in 11.
- 21 *American Government.* The processes and functions of American government in the light of the principal concepts of American democracy. Primarily for sophomores, and for juniors and seniors not majoring in the Department. Th F S 11. Mr Weinstein.
- 31 *Comparative Government.* The development and operation of the political systems of England, France, the Soviet Union, and Germany. Recommended preparation, 11 or History 11. M T W 9. Mr Pierce.
- 32a *The Commonwealth of Nations.* Its development and organization, and a study of political ideas and institutions in Canada, Australia, New Zealand, South Africa, and Ceylon. Th F S 10. Miss Carter.
- [33a *American Constitutional Development.* The origins and framing of the Constitution; contemporary interpretations; the study of Supreme Court decisions, documents, and other writings dealing with the interpretation of the Constitution, with emphasis upon changing ideas concerning federalism, property rights, and civil liberties.]
- 33b *American Constitutional Law.* Powers of the national government and fundamental rights of citizens as interpreted by decisions of the Supreme Court. Th F S 12. Mr Weinstein.
- 34a *American Political Parties.* Their structure, operation, and place in the American system of government. Field study and participation in a political campaign. M T W 3. Mr Matthews.
- 35a *International Law.* M T W 11.

GOVERNMENT

- 36a *Administration and Policy Development.* Theory and practice of the administrative state with special reference to problems of "bureaucracy," responsibility, democratic participation in and control of policy formation. Use is made of the case method. M T W 2. Mr Chapman.
- [36b *Public Administration.* Political aspects of government regulation, with emphasis on transportation, public utilities, housing, and atomic energy development.]
- 37a *International Relations.* The context, practices, and problems of international politics. Open by permission of the instructor to sophomores who have taken 11. M T W 10. Mr Overstreet.
- 37b *International Relations.* The political, functional, and federalist approaches to world order, and the control of power politics through such international organizations as the League of Nations, United Nations, Council of Europe, Schuman Plan. M T W 10. Mr Overstreet.
- 38a *American Political Thought.* A history of American ideas concerning politics and government from the colonial period to the present. M T W 10. Miss Kenyon.
- [322a *Foreign Policy of the United States to 1898.* Mr Sheehan.]
- 322b *Foreign Policy of the United States since 1898.* M T W 11. Mr Overstreet.
- 323 *History of Political Thought from Plato to the Present.* Greek political philosophy, the Stoics, medieval theory, rise of the nation-state, and approaches to an international world order. Designed to provide a foundation for the understanding of current political problems. Th F S 11. Miss Carter.
- 342b *City Government and Politics.* Political implication of urbanization, structure and process of municipal government, urban redevelopment and planning, field study of political attitudes. M T W 2. Mr Chapman.
- 40b Directed reading required of seniors majoring in the Department. Members of the Department.
- 41, 41a, 41b Special Studies in advanced work arranged for individuals or small groups. By permission of the Department for senior majors who have had twelve semester hours above Grade I in government. *Two or three hours.*

Seminars

Open by permission of the instructors to seniors and qualified juniors.

- 42b *Contemporary Political Thought.* Miss Kenyon.

GOVERNMENT

43a *International Politics.*

44a *American Government.* Mr Weinstein.

45a *Comparative Government.* Mr Pierce.

[46b *American Political Thought.* Miss Kenyon.]

47b *Public Opinion and Pressure Groups.* Mr Matthews.

HISTORY AND SOCIAL SCIENCE 495b *Interdepartmental Seminar in Economics, Government, History, and Sociology.* Subject to be announced. By permission of the Director.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies. *Two or three hours.*

[55a], 55b Seminar.

Adviser of graduate study: Mr Overstreet.

THE MAJOR

Advisers: Miss Carter, Miss Kenyon, Mr Overstreet, Mr Pierce, Mr Chapman, Mr Matthews, Mr Weinstein.

Based on 11 or Social Science 192 and Government 11a, or in exceptional circumstances on a satisfactory combination of courses approved by the chairman.

Essential courses: 323, 40b, and twelve semester hours in government.

Optional courses: nine semester hours selected from government and approved courses in history, economics, sociology, philosophy, or religion.

Majors may spend the junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

HONORS

Director: Mr Pierce.

Prerequisites: 11 and an introductory course in history, economics, or sociology; or Social Science 192 and Government 11a and one introductory course in history; or in exceptional circumstances a satisfactory combination of courses approved by the director.

GOVERNMENT

Minimum requirement: (1) one unit or seminar in junior and in senior year; (2) the unit in political theory or 323; (3) a long paper counting for six hours in the first semester of senior year; (4) directed reading counting for three hours in second semester of senior year.

Examinations: comprehensive examinations consisting of a general examination in political science, one in political theory, and one in a special field other than theory.

UNITS

Political Theory. First semester. Miss Carter, Mr Chapman.

Comparative Government. Second semester. Mr Pierce.

International Relations. Second semester. Mr Overstreet.

[*Studies in the American Democratic Tradition.* Second semester. Mr Aaron.]

American Politics. First semester. Mr Matthews.

HISTORY

PROFESSORS:

SIDNEY R. PACKARD, PH.D.

*HAROLD UNDERWOOD FAULKNER, PH.D., L.H.D.

VERA BROWN HOLMES, PH.D.

LEONA CHRISTINE GABEL, PH.D., *Chairman*

MAX SALVADORI, DR.SC. (Pol.)

†JEAN STRACHAN WILSON, PH.D.

ASSOCIATE PROFESSOR:

§ELISABETH KOFFKA, PH.D.

ASSISTANT PROFESSORS:

JANE ELEANOR RUBY, PH.D.

KLEMENS VON KLEMPERER, PH.D.

JOHN DUNN DAVIES, PH.D.

CHARLES W. MACSHERRY, M.A.

DONALD H. SHEEHAN, PH.D.

INSTRUCTORS:

NELLY SCHARGO HOYT, PH.D.

LOUIS COHN-HAFT, A.M.

The prerequisite for all courses above Grade I in the Department is 11, 12, or 13.

The distribution requirement in Group D may be met by any one of these courses. Qualified students who may wish to fulfill this requirement by taking courses of Grade II should consult the chairman of the Department.

11 *General European History.* A survey of the history of Europe from the decline of the Roman Empire to the present. One lecture and two recitations. Lec. M 2. Rec. T W 10, 11, 12, 2; Th F 9, 10, 11, 12. Members of the Department. Mr Packard, *Director*.

- 12 *The Ancient World*. A survey of Mediterranean civilizations to the fall of the Roman Empire. Two lectures and one recitation. Lec. M T 10; Rec. W 10, 12, 3. Mr Cohn-Haft.
- 13 *History of the Americas*. A study of the Western Hemisphere from the age of discovery to the present: the European heritage, the Indian peoples, the growth of colonial societies, international rivalries, the emergence of independence movements, and the evolution of the United States, Canada, and the Latin American nations in their world setting in the nineteenth and twentieth centuries. Th 9, 10, 12 or 2 and F S 9. Mrs Holmes and Mr Sheehan with the cooperation of Mr Faulkner, Mr Davies and others.
- 24a *Early English History to 1603*. M T W 11. Mr Packard.
- 24b *English History since 1603*. M T W 11.
- 25b *Medieval France*. With special emphasis on the twelfth and thirteenth centuries. For students who have had or are taking History 11. Alternates with History 35b. M T W 10. Mr Packard.
- 27a *Europe and the Far East to 1800*. Travelers, merchants, and missionaries to the Far East. European maritime and landward expansion into Asia. Intellectual interchange between China and Europe in the seventeenth and eighteenth centuries. Th F S 11. Mr MacSherry.
- [33a *History of Greece in the Age of Pericles*. A study of Greek civilization at its height, with an epilogue on the Hellenistic period. M T W 9. Mr Cohn-Haft.]
- 33b *The Roman Empire*. Chiefly a social and political study. M T W 9. Mr Cohn-Haft.
- [34b *Economic and Social History of Europe in the Middle Ages*. Recommended background, 11, 24a, or 35b. M T W 10. Mr Packard.]
- [35b *Cultural History of Europe in the Middle Ages*. Recommended background, 11, 24a, or 34b. M T W 10. Mr Packard.]
- 36 *Age of the Renaissance and Reformation*. A study of the transition from medieval to modern times. Th F S 9. Miss Gabel.
- [37a *Problems of German History from 1648 to the Present*. A study of the growth and interaction of German intellectual, social, political, and economic forces within the framework of modern Europe. Alternates with 317a. Th F S 10. Mrs Koffka and Mr von Klemperer.]
- 38a *Intellectual History of Europe in the Eighteenth Century*. Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mrs Hoyt.

HISTORY

- 38b *Intellectual History of Europe in the Nineteenth Century*. Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mr von Klemperer.
- 39 *Modern European History*. Political, economic, and social developments in Europe during the nineteenth and twentieth centuries. M T W 12. Mr Salvadori.
- [310a *Modern Britain*. Political, social, and intellectual history of Britain in the nineteenth and twentieth centuries. M T W 11. Miss Wilson.]
- [311a *England under the Tudors and Stuarts*. Political, social, and intellectual history of England in the sixteenth and seventeenth centuries. M T W 11. Miss Wilson.]
- 316b *Modern Imperialism*. Changing concepts of empire in the nineteenth and twentieth centuries under the impact of new economic and ideological factors and of the clash of power politics. Special reference to British, French, and Russian rivalries in Asia and Africa. Th F S 11. Mrs Holmes.
- 317a *History of Russia from the Kievan Period to the Present*. Alternates with 37a. Th F S 10. Mr von Klemperer.
- [318a *Introduction to Far Eastern Civilizations from the Beginning to 1500*. A survey of the political, economic, social, and cultural aspects of the civilization that developed in China; its extension and modification in Japan and other areas of Eastern Asia. Th F S 9. Mr MacSherry.]
- 318b *Introduction to Far Eastern Civilizations, 1500 to the Present*. A survey of Far Eastern civilizations during the period of limited contact with the West (sixteenth to eighteenth centuries) and the period of extensive Western influence (nineteenth and twentieth centuries). Th F S 9. Mr MacSherry.
- 319a *American Political History from the Eighteenth Century to 1865*. W Th F 2. Mr Sheehan.
- 319b *American Political History from 1865 to 1945*. W Th F 2. Mr Sheehan.
- 320a *History of the United States in the Twentieth Century*. Effects of social and technological changes on the economic problems of the American people, their political interests and party organizations, cultural development, and relations with the rest of the world. M T W 11. Mr Faulkner.
- 321a *American Intellectual History, 1607-1865*. Early development of significant American ideas and social attitudes in relation to social and economic environment. Special emphasis on interchange of American and European ideas, agencies of intellectual life, and developments in religion, science, and the arts. Th F S 11. Mr Davies.

HISTORY

- 321b *American Intellectual History, 1865-1950.* The historical background of contemporary American thought, emphasizing the influence of industrialism, science, and religion. Th F S 11. Mr Davies.
- [322a *Foreign Policy of the United States to 1898.* W Th F 2. Mr Sheehan.]
- 322b *Foreign Policy of the United States since 1898.* M T W 11. Mr Overstreet.
- 323a *American Economic History since 1865.* Economic development of the United States and its influence upon political history. M T W 10. Mr Faulkner.
- [324a *The American Nation: the Middle Period, 1815-40.* Th F S 10.]
- 325a *Latin American History.* Political, economic, and cultural development of the Spanish-American states and Brazil in the nineteenth and twentieth centuries. Open to sophomores by permission of the instructor. Th F S 11. Mrs Holmes.
- [331b *Modern Historical Thought.* A study of philosophies and general interpretations of history from the eighteenth century to the present. For seniors majoring in history, for nonmajors by permission of the instructor. Th F S 9. Miss Ruby.]
- 40b Senior conferences designed to correlate and unify the student's work within the major.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in history above Grade I. *Two or three hours.*

Undergraduate Seminars

These courses are limited to twelve students and are open with the permission of the instructors to seniors, and to juniors who have completed a second course in history. They will ordinarily meet each week for two hours, counting as *three*. In special cases honors students may be permitted to take a seminar for *six* hours credit.

- [43b *Ancient History.* Problems in the decay of civilization drawn from the decline of ancient Greece and Rome.]
- 44b *The Medieval Town of the Twelfth and Thirteenth Centuries.* T 4. Mr Packard.
- 46b *The Age of the Renaissance.* Open to majors in history and art. T 3. Miss Gabel, Mrs Kennedy.
- 48a *Revolution and Dictatorship* The French Revolution and Napoleon, with special attention to the influence of liberal thought, the role of pressure groups, development of nationalism and imperialism, and rise of dictatorships. T 4. Miss Gabel.

HISTORY

49b *Problems of Social Reconstruction in Modern Britain.*

410a *The Growth of Free Institutions in European States, 1848-1913.* M 4. Mr Salvadori.

[411a *Romanticism and Liberalism.* Main currents of thought in the first half of the nineteenth century, with special attention to their influence on the political developments during this period. Th 7:30. Mrs Koffka.]

[411b *National Socialism.* A definition of the movement in terms of its historical roots, its ideology and policies. Th 4. Mr von Klemperer.]

412b *The Russian Revolutionary Tradition in the Nineteenth and Twentieth Centuries.* A study of the Russian intelligentsia, its ideas, and its changing functions in society. Alternates with 411b. Th 4. Mr von Klemperer.

413a *Capitalism in Europe from the Industrial Revolution to the Crisis of 1929.* T 4. Mr Salvadori.

414a *The Early National Period: Business and American Life.* The emergence of the business class after 1789 and its influence on politics, thought, education, and religion. Mr Davies.

415b *United States Foreign Policy since 1898.* The seminar will concentrate on the Far East and its problems. Th 4. Mr Sheehan.

420b *Inter-American Relations.* Selected topics in the relations of the United States with Latin America, Canada, and the West Indies since 1900. Th 4. Mrs Holmes.

425a *The Western Impact on China and Japan.* Th 4. Mr MacSherry.

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology.* Subject to be announced. By permission of the director.

Graduate Seminars

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Special problems in advanced work in history, arranged individually with graduate students. *One hour or more.*

55b *Modern European History: Nationalism and Socialism after 1880.* M 4. Mr Salvadori.

[56b *Early American History.*]

57a *Recent American History.* Mr Faulkner.

[58a *Modern Imperialism.* Selected Topics. Mrs Holmes.]

Adviser of graduate study: Mrs Holmes.

HISTORY

THE MAJOR

Advisers: Mr Packard, Mrs Holmes, Miss Gabel, Mr Salvadori, Miss Ruby, Mr von Klemperer, Mr Davies, Mr MacSherry.

Based on 11, 12, 13, or an equivalent course. Students who have been exempted from the distribution requirement in Group D are expected to take six semester hours in the Department in their first two years if they wish to major in history.

Essential Courses: 40b and eighteen semester hours in history.

Optional Courses: nine semester hours in history or in related departments.

Major programs may be arranged to correlate work in history and related subjects in such broad fields as ancient civilization, medieval or Renaissance studies, modern Europe, or area studies (*e.g.*, the Americas).

Attention is called to the Interdepartmental Major in American Studies.

HONORS

Director: Mrs Hoyt.

Prerequisites: two courses in history or one course in history and one in a field appropriately related to the honors program.

Program: the fixed requirements for all candidates will consist of a minimum of twenty-four semester hours in history, plus six semester hours in history or in appropriately related courses in other departments. The required twenty-four semester hours in history will include at least six semester hours in units or undergraduate seminars offered by the Department, the unit, *History and Historians*, and, in senior year, a long paper.

Examinations: (1) a general examination assuming some preparation* in each of the fields—Europe before 1700, Europe since 1700, American history; (2) an examination on historical literature and method; (3) a special examination in one of the following fields: ancient, medieval, early modern to 1789, Europe since 1789, American. Students will construct their programs with this distribution and emphasis in mind.

* *i.e.*, At least a semester course devoted largely to the field concerned.

UNITS

History and Historians (introductory unit). A study of great historians and of the development of historical thought. M 7:30. First semester. Members of the Department. Miss Ruby, *Director*.

The Hellenistic Age. First semester. Mr Cohn-Haft.

Medieval Europe. First semester. Mr Packard.

[*The Age of the Renaissance*. Second semester. Alternates with 46b. Miss Gabel.]

Western Europe in the Seventeenth Century, or England in the Sixteenth and Seventeenth Centuries. First semester.

HISTORY

Eighteenth Century Europe. Political, social, and economic problems. Second semester. Mrs Hoyt.

Modern Imperialism: Egypt and the Near East. First semester. Mrs Holmes.

Modern Europe. Second semester.

Recent Interpretations of American History. First semester. Mr Sheehan.

Liberalism in American History. Second semester. Mr Davies.

HYGIENE & BACTERIOLOGY

PROFESSORS:	MARION FRANCES BOOTH, A.B., B.SC., M.D., College Physician, <i>Chairman</i> ELINOR VAN DORN SMITH, PH.D., <i>Subchairman</i>
ASSOCIATE PROFESSORS:	K. FRANCES SCOTT, PH.B., M.D. FRANCES CAMPBELL MCINNES, A.M., M.D.
ASSISTANT PROFESSORS:	ELIZABETH DOROTHY ROBINTON, PH.D. ANNE ELIZABETH VAN DYKE, B.A., M.D.
TEACHING FELLOW:	ELIZABETH LETITIA BEARD, B.A., B.S.

HYGIENE

The requirement in hygiene may be met in one of four ways: (a) by passing an approved course in secondary school (students will be notified if their courses are approved); (b) by passing an examination given at the opening of college; (c) by completing 11a; (d) by completing 12a. The requirement must be completed by the end of the first year in college.

The exemption examination will cover the hygiene of all systems of the body and the prevention of communicable diseases.

11a *Hygiene Lectures.* Body mechanics, nutrition, vision and lighting, mental hygiene, the reproductive systems, and control of communicable diseases. One hour without credit. Students will be assigned to lecture hour. Dr Scott.

11b Repetition of 11a for students who failed or who have permission to postpone the requirement.

NOTE—Students who take 11a or b must carry it in addition to the minimum of fifteen hours.

12a *Hygiene of the Individual.* A discussion of each body system and function, and the differing health requirements at various age levels and under varying living conditions. M T W 3. Dr Scott.

HYGIENE & BACTERIOLOGY

- 12b *Hygiene of Group Living*. Elementary study of community health problems, including a discussion of preventable diseases and environmental health hazards, together with modern methods and official agencies for their control. Optional field trips. M T W 3. Dr Scott.
- 21b *Modern Public Health Movements*. Survey of the developing concept of public health since the eighteenth century, with consideration of the functions of official and nonofficial agencies; detailed study of major modern problems of public health; discussion of recent proposals for the socialization of medical care. Two afternoon field trips will be required. M T W 2. Dr Scott.
- 53b *Health Education*. Special problems of personal and environmental hygiene applying to the physical activity, growth, and health of school children, and to school buildings and playgrounds. For graduate students in physical education, or by permission of the instructor. Dr Scott.
- 54a *Advanced Health Education*. Construction of teaching units in the fields of personal and community health. Practice teaching. Prerequisite, 53b. Dr Scott.

BACTERIOLOGY

- 22 *General Bacteriology*. A systematic study of representative groups of bacteria with emphasis on their relation to domestic, economic, and public health problems. Prerequisite, Chemistry 11. Two lectures and two two-hour laboratory periods. Lec. M T 10; Lab. M W 2. Miss Robinton.
- 27a *General Microbiology*. Outline of the biological relationships of microorganisms to higher forms of life and the interrelationships among microorganisms. Lectures and demonstrations. M T W 12. Miss Smith.
- 27b *Microorganisms of Importance to Man*. A study of microbial activities in relation to the life of the individual and the community. Prerequisite, 27a. Lectures and demonstrations. M T W 12. Miss Smith.
- 34 *Advanced Bacteriology and Serology*. Basic theories and applications of bacteriological and serological methods for the identification of pathogenic bacteria. Prerequisite, 22. One lecture and five hours of laboratory. Lec. Th 2; Lab. Th 3-5, F 2-5. Miss Smith.
- 40b *Microbiology and Serology in the Twentieth Century*. Readings and discussion. Miss Smith, Miss Robinton.
- 41, 41a, 41b *Special Studies in bacteriology and serology*. By permission of the Department for senior majors who have had twelve semester hours in essential courses in the major above Grade I. *Two or three hours*.

HYGIENE & BACTERIOLOGY

- 42b *Pathogenic Fungi and Antibiotics*. Systematic studies of the higher bacteria and fungi of medical importance. Prerequisites, 22 and first semester of 34 or Botany 34a. Two lectures and two two-hour laboratory periods. Miss Robinton.
- 43a *Seminar in Backgrounds of Bacteriology*. A survey of the discoveries and developments in scientific thinking which culminated in the science of bacteriology. Prerequisite, 22 or 27b. Miss Robinton.
- 44b *Journal Seminar*. A study of source materials including current periodicals in bacteriology and immunology. By permission of the instructors for students who have passed or are taking 34. *One hour*. Miss Smith, Miss Robinton.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51a, 51b Advanced Studies. *One hour or more*.
- 55a, 55b *Problems in Bacteriology and Serology*. *Two hours or more*. Miss Smith, Miss Robinton.
- 56b *Problems in Pathogenic Fungi and Antibiotics*. *Two hours or more*. Miss Robinton.
- Adviser of graduate study: Miss Robinton.
- Attention is called to the Interdepartmental Major in Bacteriology, page 141.

ITALIAN LANGUAGE & LITERATURE

PROFESSOR:	MICHELE FRANCESCO CANTARELLA, A.M., <i>Acting Chairman until September</i>
ASSOCIATE PROFESSOR:	RUTH ELIZABETH YOUNG, A.M., <i>Chairman</i>
INSTRUCTORS:	MARIA TERESA ARRIGHI, DOTTORE IN LETTERE MARGHERITA SILVI, DOTTORE IN LETTERE

The course in Italian which may be taken to fulfill the distribution requirement in Group A is 26.

Students planning to major in Italian who have entered with only two units of an inflected language will be required to take Latin 12b, Greek 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b.

11b or 12 is the prerequisite for 26, 36, 37, 38, and 39.

- 11 *Elementary Course*. Five class hours. M T W 9, Th F S 10, two hours to be arranged. Mr Cantarella, Miss Silvi.
- 11b *Elementary Course* (covering the work of two years). *Six hours each semester*. M T W Th F S 9, 12; additional hours to be arranged for conversation in place of some preparation. Miss Young, Miss Silvi. (L)

ITALIAN LANGUAGE & LITERATURE

- 12 *Intermediate Course*. Reading from modern Italian literature, with grammar and composition. Prerequisite, two units in Italian or 11. M T W 11. Mr Cantarella. (L)
- 26 *Survey of Italian Literature*. Reading of outstanding works, with cultural and social background. Th F S 11. Miss Silvi. (L)
- 31a, 31b *Advanced Composition and Translation*. Mr Cantarella, Miss Young.
- 36 *Dante: Vita Nuova, Divina Commedia*. M T W 10. Mr Cantarella.
- 37 *Major Literary Figures from Petrarch to Tasso*. M T W 2. Miss Young.
- [38 *Literature of the Eighteenth and Nineteenth Centuries*. Miss Arrighi.]
- 39 *Contemporary Literature*. M T 5, W 3. Mr Cantarella.
- 40b *Directed Reading and Review*. Miss Young, *Director*.
- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Italian. *Two or three hours*.
- 50, 50a, 50b *Research and Thesis*. *Three or six hours*.
- 51, 51a, 51b *Advanced Studies*. *One hour or more*.
- Adviser of graduate study: Miss Young.

THE MAJOR

Adviser: Mr Cantarella.

Based on 11b or 12.

Essential Courses: 26, except for those who spend the junior year in Italy, 36, 40b, and one other course of Grade III.

Optional Courses: closely related courses in allied fields such as history, literature, art, and music.

HONORS

Director: Miss Young.

Prerequisite: 11b or 12.

Program: to be arranged with the director; three hours on an independent piece of work.

Examinations: one on the general field of literature; one on the field of specialization; one on linguistic preparation.

MATHEMATICS

PROFESSOR:	NEAL HENRY MCCOY, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	*RICHARD EDWARD JOHNSON, PH.D.
INSTRUCTOR:	JACQUELINE PASCAL EVANS, PH.D.

Students planning to take courses in mathematics are expected to offer at least three units of mathematics for entrance; those planning to major in mathematics are advised to take in the first two years Mathematics 12, 21a, 21b or 13, 22a, 22b. A course in astronomy or physics is also recommended. For additional preparation for honors work, see the honors program.

- 12 *Mathematical Analysis*. Trigonometry; analytic geometry; elements of calculus. Prerequisite, three units of mathematics not including trigonometry. M T W 2, Th F S 10. Mr Johnson, Miss Evans.

NOTE—Credit will be given for the first semester if it is followed in the same year by Astronomy 24b.

- 13 *Analytic Geometry, Differential Calculus*. Prerequisite, at least three units of mathematics including trigonometry. M T W 3, Th F S 10. Mr McCoy, Miss Evans.

- 21a, 21b *Differential and Integral Calculus*. Prerequisite, for 21a, 12; for 21b, 21a. M T W 10. Mr McCoy.

- 22a, 22b *Differential and Integral Calculus*. Prerequisite, for 22a, 13; for 22b, 22a. M T W 9. Mr McCoy, Mr Johnson.

- 31 *Differential Equations*. Solution and application of ordinary differential equations. Prerequisite, 21b or 22b. M T W 10. Miss Evans.

- [33a, 33b *Higher Algebra*. Topics from the theory of equations, and an introduction to modern abstract algebra. 33a for students who have passed or are taking 21a or 22a; prerequisite for 33b, 33a. M T W 11. Mr Johnson.]

- [34a *Projective Geometry*. Prerequisite, 12 or 13. M T W 10. Mr McCoy.]

- 35b *Theory of Numbers*. Properties of integers including divisibility, theory of congruences, primitive roots, theorems of Fermat and Wilson. Prerequisite, three semester hours of Grade III in mathematics or permission of the instructor. Th F S 9. Mr Johnson.

- [36a *Infinite Series*. Prerequisite, 21b or 22b. Th F S 10.]

- [38b *Solid Analytic Geometry*. For students who have passed 21a or 22a. M T W 10. Mr McCoy.]

MATHEMATICS

- 39a *Theory of Probability*. An introduction to the mathematical theory of probability including combinatory analysis, simple and conditional probability, binomial and normal distributions. For students who have passed or are taking 21a or 22a. Th F S 9. Mr McCoy.
- 40b Seminar. Mr McCoy with members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in mathematics. *Two or three hours*.
- 43 *Advanced Calculus*. A study of functions of two or more variables. Prerequisite, 21b or 22b. M T W 11. Miss Evans.
- 48 Honors paper, review, and coordination. For seniors.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 52a, 52b *Special Studies in Topology and Analysis*. *One hour or more*.
- 53a, 53b *Special Studies in Modern Geometry*. *One hour or more*.
- 54a, 54b *Special Studies in Algebra*. Theory of numbers, theory of groups, matrices and determinants, and modern algebraic theories. *One hour or more*.
- Adviser of graduate study: Mr McCoy.

THE MAJOR

Advisers: Mr Johnson, Mr McCoy.

Based on 12 or 13.

Essential Courses: 21a, 21b or 22a, 22b; 40b, and other courses in mathematics, making a total of twenty-one semester hours, of which at least twelve must be above Grade II.

Optional Courses: other courses in mathematics.

Astronomy, courses above Grade I except 21a or b.

Physics, courses above Grade I.

Economics 28a, 38b; Chemistry 43; Philosophy 21a or b, 31b.

HONORS

Director: Mr McCoy.

Prerequisites: 12 and 21a, 21b or 13 and 22a, 22b.

Program:

Essential Courses: 43, 48.

Optional Courses: other courses in mathematics or courses in related fields chosen in consultation with the director.

Examinations: one will cover the common background of all majors, two will test the field of specialization.

MUSIC

PROFESSORS:	JOHN WOODS DUKE SOLON ROBINSON DORIS SILBERT, A.M., <i>Chairman</i> ALVIN DERALD ETLER, MUS.B.
ASSOCIATE PROFESSORS:	RAYMOND PUTMAN WILLIAN BEAUMONT SCATCHARD, B.MUS., B.S. †BIANCA DEL VECCHIO, DIPLOMA DI MAGISTERO †MARION DERONDE, A.B. GERTRUDE PARKER SMITH, A.M. LOUISE ROOD, A.M. ANNA HAMLIN
ASSISTANT PROFESSORS:	IDA DECK HAIGH JOHN KENNEDY HANKS, A.M. PHILIP KEPPLER, JR., M.F.A.
DIRECTOR OF CHORAL MUSIC:	IVA DEE HIATT, M.A.
INSTRUCTORS:	VERNON DETWEILER GOTWALS, M.F.A. LINDSEY MERRILL, MUS.M.
CURATOR:	RUTH MARGARET AGNEW, M.A.
TEACHING FELLOW:	ALZALEEN TITCOMB, MUS. B.

The courses in music which may be taken to fulfill the distribution requirement in Group B are 13, 23. However, if a student is considering a major in the Department, 13 is not advised.

A. COMPOSITION

- 11 *Elementary Course.* Materials of composition: melodic, rhythmic, and harmonic. Three class hours. *Two hours each semester.* M T W 10, 12; W Th F 3; Th F S 10. Miss Silbert (*Director*), Miss Smith, Miss Rood, Mr Gotwals, Mr Merrill.
- 21 *Intermediate Course.* Exercises in linear writing. Prerequisite, 11. Not open to students who have taken or are taking 22. *Two hours each semester.* M T 3. Miss Rood.
- 22 *Intermediate Course.* Primarily for students who plan to take 33. Emphasis on counterpoint. Prerequisite, 11. Not open to students who have taken or are taking 21. *Two hours each semester.* Th 4-6. Mr Gotwals.
- 33 *Composition in Small Forms.* Prerequisite, 22. Th 7-10. Mr Etler.
- 42 *Composition for Small Instrumental Groups.* Prerequisite, 33. Mr Etler.

MUSIC

B. LITERATURE

Unless otherwise stated the prerequisite for Grade III courses in this division is 23.

- 13 *Listeners' Course*. Observation of the elements of music and of musical composition. No previous training in music is required. This course may not be taken as the theory requirement by students receiving credit for practical music. M T 4 and a third hour to be arranged for sections. Mr Keppler.
- 23 *General History of Music*. Prerequisite, 13 or 11. W Th F 3. Miss Silbert.
- 31a *Tonal Organization*. Practice in analytical techniques. Prerequisite, 21 or 22. M T W 10. Miss Smith.
- 34b *Solo Song*. Study of representative works to 1920. M T W 12. Miss Smith.
- 35a *Nineteenth Century Opera*. W Th F 3. Mr Keppler.
- 35b *Symphonic Developments in the Nineteenth Century*. W Th F 3. Miss Rood.
- 37a *Bach, Handel, and Their Contemporaries*. Study of representative vocal and instrumental works. M T W 11. Miss Rood.
- 38a *Haydn and Mozart*. M T W 9. Miss Silbert.
- [311b *Chamber Music in the Nineteenth Century*. M T W 10. Miss DeRonde.]
- 313b *The Literature of the Pianoforte*. M T W 12. Mr Duke.
- 40b Synoptic Course, to correlate the various approaches to the study of music: analytic, historical, critical. Required of senior music majors. Th 4-6. Members of the Department.
- 41, 41a, 41b Special Studies in the theory and literature of music. By permission of the Department for senior majors who have had twelve semester hours above Grade I in music. *Two or three hours*.
- 43a *Vocal Polyphony*. Study of representative works up to 1630. Th F 11. Miss Smith.
- 44b *Studies in the Criticism of Music*. Various aspects as represented in important literary works. Two class hours. Miss Silbert.
- 45b *Modern Music*. Prerequisite, 31a. Th F 11. Mr Etler.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged on consultation with the Department. *One hour or more*.
- 52b Graduate Seminar. Special topics. Miss Smith.

MUSIC

53a *Precedents for Contemporary Procedures.* Mr Etler.

C. MUSIC PEDAGOGY

Music 320, 321a, and 46, combined with practical music and certain courses in education, are necessary for teaching music in schools. Students should consult Mrs Scatchard as early as possible in the college course. Students who wish to specialize in secondary school music are permitted to take 46 without the prerequisite of 320.

320 *Elementary School Music.* Music education from preschool through sixth grade. For students who have passed 11 and have passed or are taking 23. *Two hours each semester.* M T 2. Mrs Scatchard.

321a, 321b *Choral Conducting.* Fundamentals of conducting; study of various styles of choral music suitable for school and amateur groups. Prerequisite for 321b, 321a. *Two class hours. One hour.* T 4-6. Mrs Scatchard.

46 *Advanced School Music.* Music in junior and senior high schools. T W 12 and one hour of observation and participation to be arranged. Mrs Scatchard.

D. PRACTICAL MUSIC

Courses are offered in piano, organ, voice, violin, viola, violoncello, flute, oboe, clarinet, bassoon, and instrumental ensemble. There are fees for all courses involving individual instruction and for the use of practice rooms. These fees are listed on page 150 of the *Catalogue Bulletin*.

Students taking practical music (Division D) to be counted within the minimum fifteen-hour program must take and pass at least an equal number of credit hours from Divisions A, B, or C (except 13). Any course in Division D and its accompanying course in Division A, B, or C may be counted together as one of the required number of three-hour courses, but each course will receive its full credit.

Courses of Grade I and II require one hour of individual instruction and six hours of practice per week and receive *two hours* of credit each semester. *Exceptions* to this are Music 141, courses in instrumental ensemble (see below), and courses taken in conjunction with Composition 33 or 42, which require nine hours of practice and receive *three hours* of credit each semester.

Courses of Grades III, IV, and V, if counted within the minimum fifteen-hour program, will require one hour of individual instruction and nine hours of practice and receive *three hours* of credit each semester.

Qualified students may divide the course, combining two hours credit in one instrument with one hour credit in a related instrument or in ensemble.

For upperclass students who are not majoring in music, a course carrying two hours credit is available if taken above the minimum fifteen-hour program.

MUSIC

No student in practical music will be admitted to a course above Grade II who has received a mark lower than C in the previous course in the same branch.

Before registering for any course in practical music the student must consult members of the Department at the College in May or during the days just previous to the beginning of the first semester.

VOICE, STRINGED INSTRUMENTS, WIND INSTRUMENTS. Students who wish to enter these courses must have the permission of the instructor. Permission will be granted on the basis of musical aptitude and ability. Candidates for scholarships must perform a piece of their own choice.

PIANO. The candidate will be expected to play three pieces representing different styles in piano literature, one from each of the following headings: (1) a piece by J. S. Bach; (2) an allegro movement from a sonatina or sonata by Clementi, Kuhlau, Haydn, Mozart, or Beethoven; (3) a piece composed after 1825.

ORGAN. The prerequisite for organ courses is Music 121 or its equivalent.

Piano

Mr Duke, Mr Robinson, Miss del Vecchio, Mrs Haigh.

121, 222, 323, 424, 525 Study of technique and representative literature.

Organ

Mr Gotwals.

232, 333, 434, 535 Study of technique and representative literature.

Voice

Miss Hamlin, Mr Hanks.

141 This course will require two class hours, one half-hour lesson, and four hours of practice per week. *One hour each semester.* M T 2; Th F 12.

242, 343, 444, 545 Study of technique and representative literature.

Violin

Mr Merrill.

151, 252, 353, 454, 555 Study of technique and representative literature.

Viola

Miss Rood.

161, 262, 363, 464, 565 Study of technique and representative literature.

Violoncello

171, 272, 373, 474, 575 Study of technique and representative literature.

MUSIC

Flute, Oboe, Clarinet, Bassoon

Mr Etler, *Director*, and staff.

181, 282, 383, 484, 585 Study of technique and representative literature.

Instrumental Ensemble

Mr Merrill.

191a, 191b, 292a, 292b, 393a, 393b, 494a, 494b. Open to qualified students who are taking an instrumental course. These courses require one hour lesson and three hours of practice per week. *One hour each semester.*

THE MAJOR

Advisers: Miss Rood, Miss Smith.

Based on 11.

Essential Courses: 21 or 22, 23, 31a, 40b, and five semester hours above Grade II.

Optional Courses: related courses in other fields.

HONORS

Director: Mr Keppler.

Prerequisites: 11, 21 or 22, 23.

Program: students will fulfill the requirements of the major, present a paper or composition, and take a minimum of nine semester hours in other departments. Apart from these requirements the program will be planned with the director to meet individual needs.

Examinations: one general comprehensive; one involving critical analysis on a limited field of concentration in literature or composition; one oral.

Adviser for graduate study: Miss Smith.

PHILOSOPHY

PROFESSORS:

MARY EVELYN CLARKE, PH.D.

EDGAR WIND, PH.D.

ALICE AMBROSE LAZEROWITZ, PH.D.

MORRIS LAZEROWITZ, PH.D., *Chairman*

DOROTHY WALSH, PH.D.

INSTRUCTOR:

LEONARD G. MILLER, PH.D.

The courses in philosophy which may be taken to fulfill the distribution requirement in Group C are 11, 22, 24, 33.

PHILOSOPHY

- 11 *Introduction to Philosophy.* Reading and discussion of some of the most important classic and modern philosophical works, to introduce the student to such topics as the relation of mind and body, sources of knowledge, freedom and determinism, nature and status of ideals. M T W 10, 11; Th F S 9, 10. Mrs Lazerowitz, Miss Walsh, Mr Miller.
- 21a *Logic.* Introductory course, including study of common fallacies in reasoning, theory of the syllogism, and some modern developments. The course is intended to train the ordinary student in effective use of principles of correct thinking. Th F S 9. Mrs Lazerowitz.
- 21b Repetition of 21a. M T W 12. Mr Lazerowitz.
- 22 *Ethics.* The outstanding moral theories of classical and modern times, with applications to practical problems. Reading will include literature of the Epicureans and Stoics, Aristotle, Kant, Bentham, Mill, Nietzsche, G. E. Moore, Sartre. Th F S 9. Miss Clarke.
- 24 *History of Philosophy from Thales to Kant.* Introduction to philosophy, with emphasis on its historical development. The course should be of use also to students majoring in other fields who wish to obtain an acquaintance with the history of ideas. M T W 11, 12; Th F S 10, 11. Miss Clarke, Mr Lazerowitz, Mr Miller.
- 31b *Advanced Logic.* Postulate sets. The system of *Principia Mathematica*: general propositions; definite descriptions; classes and the theory of types. Prerequisite, 21a or b. Mrs Lazerowitz.
- 32a *Metaphysics and Science.* Development of a new technique for the solution of philosophical problems. Its application to a selection of metaphysical theories which closely resemble scientific theories: theories of time, space, substance, causality and freedom, universals, a priori propositions. Prerequisite, six semester hours in philosophy. Mr Lazerowitz.
- 32b *Epistemology.* General explanation of a new technique for the solution of philosophical problems. Its application to epistemological and closely related problems: our knowledge of the external world, other minds, the mind-body problem, rationalism and empiricism. Prerequisite, six semester hours in philosophy. Mr Lazerowitz.
- 33 *Aesthetics.* A discussion of general problems, with reference to sensuous structure, emotional expression, symbolism, artistic meaning, truth, and value, judgments of appraisal. Th F S 10. Miss Walsh.
- 36a *Plato.* A systematic and historical study of the chief dialogues. By permission of the instructor, for students who have had 11 or 24. T 8-10 W 8. Mr Wind.

PHILOSOPHY

- [36b *The Platonic Tradition*. A study of Neoplatonism, beginning with Plotinus and Proclus, leading to Marsilio Ficino and Pico della Mirandola, and ending with the Cambridge Platonists. Prerequisite, 36a. M 4-6 T 4. Mr Wind.]
- 37b *Hegel and Hegelianism*. A historical and critical study of Hegel, the man, and his doctrine, his rivals, followers, and opponents. By permission of the instructor, for students who have had 24 or History 38a and b. M 4-6 T 4. Mr Wind.
- 38a *Oriental Philosophy*. Philosophical bases of Hinduism, Buddhism, and the metaphysical systems into which they developed. Prerequisite, six semester hours in philosophy, or History and Social Science 294a. W Th F 3. Miss Clarke.
- 310a *American Philosophy*. Philosophical ideas of Edwards, Emerson, Royce, James, Dewey, and others, with attention to the connection of these ideas with current religious, political, and moral views. M T W 9. Mr Miller.
- 311 *Recent and Contemporary Philosophy*. James, Bergson, Whitehead, Santayana, Bradley, Russell, G. E. Moore. Prerequisite, 24. Th 4-6 F 4. Mrs Lazerowitz (first semester), Miss Walsh (second semester).
- 40b Review Unit.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in philosophy. *Two or three hours*.
- [45b *Kant*. A Study of the *Critique of Pure Reason* and readings from the *Critique of Practical Reason*, with consideration of their influence on later philosophy. For qualified students by permission of the instructor. Two class hours. Mr Wind.]
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged individually.
- [53 *A Systematic Study of Aesthetic Theory*. Miss Walsh.]
- [55a *Topics in Logical Theory*. With special reference to foundations of mathematics. Mrs Lazerowitz.]
- [56b *Contemporary Ethics*. Miss Clarke.]
- Adviser of graduate study: Mrs Lazerowitz.

THE MAJOR

Adviser: Miss Clarke.

Based on six semester hours in philosophy.

PHILOSOPHY

Essential Courses: twenty-one semester hours in philosophy, including 24 (unless used as the basis of the major) and 40b.

Optional Courses: related courses in other departments.

HONORS

Director: Miss Clarke.

Prerequisites: any year course in philosophy of Grade I or Grade II; in addition 21a or b and Psychology 11a and b or 12 are advised. For other prerequisites for specific programs the director should be consulted.

Program: the requirements for all candidates will consist of a minimum of twenty-four hours in philosophy, plus six hours in philosophy or in a related field. The work in philosophy shall normally include two units or seminars.

Examinations: one on philosophical systems and history of philosophy; one on value theories and methodology; one on some special topic in philosophy or in a related field.

UNITS

Aesthetics. Six hours. First semester. Miss Walsh.

Seventeenth and Eighteenth Century British Philosophy. Three hours. Second semester. Miss Clarke.

Logic. Three hours. Second semester. Mrs Lazerowitz.

Ethics. Six hours. Second semester. Miss Clarke.

PHYSICAL EDUCATION

PROFESSORS:

DOROTHY SEARS AINSWORTH, PH.D., *Director*

HELEN LOUISE RUSSELL, PH.D., *Assistant Director*

ASSOCIATE PROFESSOR:

**FLORENCE MARIE RYDER, M.S.

ASSISTANT PROFESSORS:

EVELYN F. JENNINGS, B.S.

*LILLIAN M. MANCINI, A.M.

RITA MAY BENSON, M.S. IN H.P.E.

ANNE LEE DELANO, A.M.

LECTURER:

RUTH EVANS, A.M., M.P.E. (hon.), SC.D. (hon.)

INSTRUCTORS:

MARTHA COLEMAN MYERS, M.S. IN PHY. ED.

CARYL MIRIAM NEWHOF, M.S. IN PHY. ED.

MARJORIE HARRIS, B.S.

JEAN CAMPBELL, M.S. IN PHY. ED.

DORIS JOAN HINSON, M.S. IN PHY. ED.

PHYLLIS M. OCKER, M.S. IN PHY. ED.

BETTY JEAN HOLLAND, B.S.

WILHELMINA DESDA McFEE, B.S. IN PHY. ED.

JANE ANN SCHOONMAKER, B.S.

PHYSICAL EDUCATION

Physical Education 1a and b and 2a and b are required of all students in the first two years, the type of work being adjusted to the needs and conditions of individual students. Continuous failure in these courses due to lack of interest or to unexcused absences may result in the student's being requested by the President to withdraw from college.

All students who are in physical education classes or use the gymnasium are required to buy uniform suits and shoes.

The Athletic Association, open to all members of the College, is under the direction of this Department.

A. Physical Education

Requirements

1a, 1b *Basic Motor Skills, Dance, and Sports.*¹ Three periods of one hour each. Required for freshmen.

Fall Term. One period, basic motor skills; two periods, swimming for those who have not passed the test, for others a choice of the following:

Archery, canoeing, crew, golf, hockey, riding, soccer, swimming, tennis, volleyball.

Adapted physical education. Miss Ryder.

The dance, modern and folk. Mrs Myers, Miss Ocker.

Winter Term. One period, basic motor skills; two periods, a choice of:

Badminton, basketball, bowling, fencing, riding, squash, swimming.

Adapted physical education. Miss Ryder, Miss Jennings.

The dance, continuing the fall course and new sections. Mrs Myers, Miss Ocker.

Spring Term. Three periods, beginning swimming for those who have not passed the test, for others a choice of:

Archery, campcraft, canoeing, crew, golf, lacrosse, riding, softball, swimming, tennis, volleyball.

Adapted physical education. Miss Ryder.

The dance, continuing the fall and winter courses and new sections. Mrs Myers.

2a, 2b *Dance and Sports.* Three periods of one hour each. Required for sophomores.

Each term a choice of sports and dance as listed under the corresponding term for 1a and b.

A health consultation is required for juniors and seniors, and any student who is falling below a standard which for her is reasonable must take work under the direction of the Department as follows:

3a, 3b Required for these juniors.

4a, 4b Required for these seniors.

¹A fee is charged for golf, riding, and campcraft.

PHYSICAL EDUCATION

Elective Classes and Sports

Juniors and seniors may elect work in any class listed above or in the upperclass sports sections.

In addition there are weekend trips to the cabins under the auspices of the Outing Club, riding trips under the Riding Club, and open-hour swimming at the pool.

Courts and other equipment are available to all students when not being used by classes.

B. Course in the Training of Teachers of Physical Education

This course is open to students of Smith College and to graduates of other colleges of approved standing. Students entering it will be given the opportunity to specialize in one of four fields: adapted physical education, the dance, recreation (physical education in relation to community service and clubs), sports (in relation to schools and colleges).

The course has as its basic plan classes in science and education as well as physical education. Smith College students may take the scientific and educational courses as undergraduates and in so doing will be able to fulfill the requirements for the degree in one year after graduation.

Properly qualified students from Smith and other colleges will be accepted for work toward the degree of Master of Science in Physical Education (M.S. in Phy. Ed.). Six semester hours of zoology, nine hours of education, and six hours in one of the following: bacteriology, chemistry, experimental psychology, mathematics, nutrition, physics, zoology should be offered as prerequisites. Students who have satisfactorily completed the courses equivalent to those leading to the diploma may become candidates for the degree in the first year; other students normally require two years.

It is also possible for students to take work leading to the degree of Master of Arts (A.M.) or of Master of Education (Ed.M.).

Students who wish to enter the course should present a written statement from a physician that they are in good condition and able to undertake a course in physical education. For further information write to Miss Ainsworth, Scott Gymnasium, for the special booklet describing the course.

33a, 33b *Adapted Physical Education.* The basic teaching material of preventive and corrective phases of physical education as applied to individual developmental needs. M T W 12. Miss Ryder.

42a, 42b *Methods and Materials of Physical Education.* Elementary course including the dance, recreation, and sports. Required in the first year of students entering from other colleges who have not fulfilled the requirement elsewhere. Open to undergraduates only by permission of the Director of Physical Education. Prerequisite for 42b, 42a. Two lectures, six hours of practice. Members of the Department.

PHYSICAL EDUCATION

- 43a, 43b *The Physiology and Anatomy of Movement*. An analytical study of human motor activity. Prerequisites, Zoology 12 and permission of the Director of Physical Education. Two lectures and four hours of laboratory. Lec. Th F 11; Lab. Th F 9-11. Miss Ryder.
- 50, 50a, 50b Research and Thesis. *Three or six hours*. Miss Russell, *Director*.
- 51a, 51b Special Studies. Members of the Department.
- 52a, 52b *Methods and Materials of Physical Education*. Advanced course offering opportunity for the student to specialize in adapted physical education, the dance, recreation, or sports. Theory, two hours; practice, six hours. Members of the Department.
- 53a, 53b *Gymnastics and Basic Motor Skills*. Theory, one hour; practice, two hours. *One hour*. Miss Ainsworth, Miss Ryder, Miss Mancini.
- 54a or b *Elementary Measurement in Physical Education*. Miss Russell.
- 55a *History and Principles of Physical Education*. Miss Ainsworth.
- 55b *Organization and Administration of Physical Education*. Miss Ainsworth.
- 56a, 56b *Directed Practice in the Teaching of Physical Education*. Miss Mancini.
- 57a, 57b *Advanced Measurement in Physical Education*. History and methods of testing. Use of statistics and study of special problems. Miss Russell.
- Hygiene 53b *Health Education*. Required of all students for the diploma. Dr Scott.
- Hygiene 54a *Advanced Health Education*. Dr Scott.

PHYSICS

PROFESSORS:	GLADYS AMELIA ANSLOW, PH.D., SC.D. (hon.) †NORA MAY MOHLER, PH.D., SC.D. (hon.)
VISITING PROFESSOR:	DOROTHY WRINCH, D.SC.
ASSOCIATE PROFESSOR:	WILLIAM TAUSSIG SCOTT, PH.D., <i>Chairman</i>
ASSISTANT PROFESSOR:	IRVING L. KOFSKY, PH.D.
ASSISTANT:	IRENE S. WHITE, C.E, DIPLOM-CHEMIKER
TEACHING FELLOW:	WALTRAUT CAROLA SEITTER, CAND. PHYS.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Physical Science 193 or 194, Physics 11, 12, or 25b with either 15a or 24a.

PHYSICS

Students who enter with a unit of physics may elect either course in Physical Science, Physics 12 or 15a.

Students planning to major in physics should offer three units in mathematics for entrance and if possible take mathematics through calculus before the junior year. Work in chemistry is also strongly advised.

- 11 *Fundamentals of Physics.* An introduction to the laws and properties of matter, from the standpoint of mechanics, heat, sound, electricity, light, and atomic structure. Lectures and discussion, three hours; laboratory, two hours. Lec. and Dis. M T W 10, 11; Lab. M Th F 2, F 9, 11. Mr Scott, Mrs White, Miss Seitter.
- 12 *Fundamentals of Physics for Premedical Students.* The lectures are the same as in 11; in the laboratory sections applications of the subject to biological and medical problems are stressed. Lecture and discussion, three hours; laboratory, two periods of two hours each. *Four hours each semester.* Lec. and Dis. M T W 10, 11; Lab. M W 2. Mr Scott, Mrs White, Miss Seitter.
- 15a *Mechanics, Electricity, and Light.* An intermediate course for students who have presented a unit of physics for entrance or who have passed Physical Science 193; open by permission of the instructor to students who enter with a unit in physical science. Lecture and discussion, three hours; laboratory, two hours. Lec. Th F S 11; Lab. T 2. Mr Kofsky.
- 24a *Electricity.* Direct current, electrical circuits and instruments, with an introduction to alternating current devices and to electronics. Prerequisite, 11, 12, or 15a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2.
- 25b *Wave-Motion, Sound, and Heat.* Lectures and problems on the basic principles of elasticity, wave-motion, sound, thermometry and heat. The laboratory emphasizes precision of measurements and a variety of laboratory techniques. Prerequisite, 11, 12, 15a, or 24a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Mr Kofsky.
- 26b *Musical Acoustics.* An introduction to the study of sound, particularly as it applies to musical instruments and hearing. Lecture and demonstration. *One hour.* M T 10. Miss Anslow.
- 31a, 31b *Electronics and Atomic Physics Laboratory.* A semester of experiments in electronics leading to some independent work; one hour of lecture. Prerequisites, 24a and Mathematics 21a or 22a, or by permission of the instructor, Mathematics 12 or 13. This may be followed by a semester of experiments in atomic and nuclear physics and some related fields. Two three-hour laboratory periods and one lecture hour to be arranged. Th F 2. Mr Kofsky.

PHYSICS

- 32a *Mechanics*. Statics and dynamics of particles and rigid bodies. Prerequisites, six hours of physics or, by permission of the instructor, 15a, and Mathematics 21a and b or 22a and b. Lectures and problems. Miss Anslow.
- 33a *Atomic Physics*. The structure of the atom and the particle and wave nature of matter and radiation. Prerequisites, 11, 12, or 15a and 25b; Mathematics 21a and b or 22a and b (may be taken at the same time). M T W 9. Miss Anslow.
- 33b *The Nucleus*. An introduction to radioactivity, elementary particles, cosmic rays, and nuclear energy. Prerequisite, 33a. M T W 9. Miss Anslow.
- [36a *Light*. Wave and particle nature, optics, interference, diffraction, polarization, Prerequisite, 11, 12, 15a, or 24a, and Mathematics 21a or 22a, or by permission of the instructor, Mathematics 12 or 13. Lec. M T 10; Lab. T 2. Miss Anslow.]
- [36b *Experimental Spectroscopy*. Spectroscopic methods and instruments. Study of atomic and molecular spectra. Prerequisite, 36a; open by permission of the instructor to students majoring in astronomy or chemistry. Lectures, two hours; laboratory, three hours. Lec. M T 10; Lab. T 2. Miss Anslow.]
- 40b *The Relation of Classical and Modern Physics*. Discussion of the development of such general laws as the conservation of energy and the law of gravitation; the relation between Newtonian mechanics and relativity; the wave properties of particles and the particle properties of waves; present attitudes toward theories and models. Discussion and reports. For seniors only. One two-hour period. Members of the Department.
- 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in physics. *Two or three hours*.
- 42 *Advanced Electricity and Magnetism*. Static and dynamic electricity, direct and alternating currents, magnetism and electromagnetic fields, principles of electrochemistry, and of electronic devices and circuits. Lectures and problems. Prerequisites, 24a, or by permission of the instructor, 11, and Mathematics 21a and b or 22a and b. Mr Scott.
- 46b *Thermodynamics*. A discussion of the laws of thermodynamics, entropy, and the behavior of ideal and real gases. Prerequisites, six hours of physics and Mathematics 21a and b or 22a and b. Miss Anslow.
- 50, 50a, 50b *Research and Thesis*. *Three or six hours*.
- 51a, 51b *Special topics in such fields as sound, light, electricity and magnetism, thermodynamics, and kinetic theory*. *Two hours or more*.

PHYSICS

52a, 52b Selected problems assigned for investigation, experimental work, and discussion. *Three hours or more.*

53a *Principles of Mathematical Physics.*

54a or b *Introduction to Quantum Mechanics.* Mr Scott.

55a or b *Seminar in Nuclear Physics.* *Two hours or more.*

58a or b *Theoretical Spectroscopy.* The origin of atomic and molecular spectra and their applications to structure problems. Miss Anslow.

59a or b *Structure of Large Molecules.* Physics, chemistry, and geometry of biologically active molecules. *One hour or more.* Miss Wrinch.

Adviser of graduate study: Miss Anslow.

THE MAJOR

Advisers: Mr Scott, Mr Kofsky.

Based on 11, 12, 15a and 25b, or six hours of Grade II, or, by permission of the Department, on Physical Science 193.

Essential Courses: 33a, 33b, 40b, at least one semester of 31a, 31b; Mathematics 21a and b or 22a and b.

Optional Courses: other courses in physics and mathematics above Grade I and courses in astronomy, chemistry, and geology.

In addition to the essential courses, each student is expected to receive instruction in shop techniques in a two-hour period for one semester.

HONORS

Director: Mr Scott.

Prerequisites: one year of college physics, Mathematics 12 or 13, and six hours of Grade II in physics or Mathematics 21a and b or 22a and b. One or two other courses in mathematics, physics, or chemistry, and a reading knowledge of French or German are advised.

Program:

Essential Courses: 33a and b and the honors paper. Mathematics 21a and b or 22a and b if not already taken.

Optional Courses: other physics courses above Grade II; advanced courses in other sciences, mathematics, or philosophy, chosen in consultation with the director; a review unit.

Examinations: written examinations covering theoretical and experimental phases of the subject in classical physics, modern physics, and in the field of specialization.

PSYCHOLOGY

PROFESSORS:	**WILLIAM SENTMAN TAYLOR, PH.D. HAROLD EDWARD ISRAEL, PH.D., <i>Chairman</i> ELSA MARGAREETA SIIPOLA, PH.D.
ASSISTANT PROFESSORS:	JEAN CARL COHEN, PH.D. RAVENNA WAKEFIELD MATHEWS, PH.D.
INSTRUCTOR:	DILMAN JOHN DOLAND, PH.D.
GRADUATE ASSISTANT:	DOROTHY GEORGIA KOLB, B.S.

Unless otherwise indicated, 11a or 12 is prerequisite for every further course.

A student considering a major in the Department is advised to take 11a and b.

Students who plan to enter social work should consult their major advisers regarding desirable courses.

- 11a *Introduction to General Psychology*. A survey with emphasis on fundamental principles of human behavior and personality. Not open to students taking 12. Two lectures and one two-hour demonstration. M T 9, 10, W 9-11; M T 11, 12, W 11-1; M T 2, 3, W 2-4. Miss Siipola (*Director*), Mr Israel, Mr Doland.
- 11b *Introduction to Experimental Psychology*. Application of the experimental method to problems in psychology. Basic experiments in perception, motivation, learning, thinking. Lecture and demonstration, two hours, and one two-hour laboratory period. Open to students who have passed 11a or 12; by permission of the instructor to students taking 12. M T 9, W 9-11; M T 12, W 11-1; M T 3, W 2-4. Mr Israel.
- 12 *General Psychology*. Outline of the field and methods of psychology; basic facts and theories, including such topics as motivation, learning, perception, thinking, and personality. Not open to students taking 11a. M T W 9; Th F S 9. Mr Taylor, Miss Mathews.
- 24a *Child Psychology*. Study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.
- 24b *Psychology of Adolescence*. Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.

- 25b *Introduction to Social Psychology.* Psychological concepts basic to an understanding of man in his social environment, including such topics as socialization, social attitudes, and group behavior. Open to freshmen who have passed 11a. Th F S 10. Miss Mathews.
- 31a *Methods in Psychology.* An examination of selected problems in methodology, with particular reference to experimental design and statistical analysis. Mrs Cohen.
- 31b *Experimental Psychology.* A survey of important lines of experimental investigation and major findings. Laboratory work includes illustrative applications of basic techniques and use of standard laboratory equipment. Prerequisite, 11b. Miss Mathews.
- 35a *Social Psychology of Attitudes, Opinions, Propaganda.* A study of the formation of social judgments. Prerequisite, 25b or permission of the instructor. Open to qualified sophomores by permission of the instructor. Th F S 10. Miss Mathews.
- 36a *Dynamic and Abnormal Psychology.* General psychology of conscious and sub-conscious motivation, everyday problems and mechanisms of adjustment, psychoneuroses, psychoses, and mental hygiene. Two optional visits to near-by hospitals. For students who have passed 11a or 12 and are majoring in psychology, education, sociology, or premedical science, or by permission of the instructor. M T W 3. Mr Taylor.
- 36b *Dynamic and Abnormal Psychology.* A continuation of 36a, which is prerequisite. M T W 3. Mr Doland.
- 37b *Psychology of Personality.* Study of the psychological organization of the adult personality, with emphasis upon individuality rather than generalized human nature. Basic concepts and theories: experimental and clinical techniques of investigation; development of adult personality-structure. Open to sophomores by permission of the instructor. M T W 10. Miss Siipola.
- 38a *Clinical Methods in Psychology.* A survey of methods and procedures used in measuring mental ability, aptitudes, and other personality variables. Understanding of principles and problems is stressed rather than knowledge of specific techniques. M T W 9. Mr Doland.
- 38b *Mental Tests in Clinical Practice.* Supervised practice in administering, scoring, and interpreting standard clinical tests. A minimum of fifteen hours of practice outside the laboratory. Prerequisite, 38a. M 9 and an additional two-hour period. Mr Doland.

PSYCHOLOGY

- 39b *Industrial Psychology*. Psychology of employers, employees, and consumers in regard to production, distribution, and consumption. An optional visit to a near by factory. Prerequisites, 11a or 12 and permission of the instructor. M T W 12. Mr Doland.
- 40a *Theories and Schools of Psychology*. Study of the principal theoretical systems with emphasis on modern schools of behaviorism, gestalt, and psychoanalysis. M T W 2. Mr Israel.
- 40b Synoptic Course. Th 7:30-9:30. Miss Siipola with members of the Department.
- 41a, 41b Special Studies. Problems not specifically dealt with by other courses in psychology, such as research problems in experimental psychology, advanced psychology of language, special problems in child psychology, and mental tests. By permission of the Department for senior majors who have had twelve semester hours above Grade I in psychology. *Two or three hours.*
- 42b *Advanced Theoretical Psychology*. Critical study of current theories and examination of theoretical issues involved in selected problems. Prerequisite, 40a and permission of the instructor. Mr Israel.
- [43b *Comparative Psychology* (seminar). Evolution of behavior, with emphasis on discrimination, motivation, and modifiability. Reports on special problems such as infrahuman social behavior, the experimental neurosis, inheritance of behavior traits.]
- 44b *Child Psychology* (seminar). Selected problems, reports, and discussion. Prerequisite, 24a. Mrs Cohen.
- 45b *Social Psychology* (seminar). Methods, theories, and problems. Reports and discussion. Prerequisite, 25b or permission of the instructor. Miss Mathews.
- 47a *Psychology of Personality* (seminar). Intensive study of projective techniques of investigating personality. Supervised practice with standard techniques. Prerequisite, 37b. Th 11-1. Miss Siipola.
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51a, 51b Advanced Studies. Similar to 41a and b. *One hour or more.*
- [52a, 52b *Seminar in Current Psychological Problems*. Also for senior honors students by permission. *One hour or more.*]
- 56 *Abnormal Psychology*. Students will be required to attend the lectures in 36a and b. Mr Taylor.

Speech 58a *Experimental Phonetics*.

Adviser of graduate study: Mr Israel.

THE MAJOR

Advisers: Members of the Department.

Based on 11b or 12. If the major is based on 12, 11b must be taken in sophomore year or in junior year in addition to the major.

Essential Courses: twenty-one semester hours in psychology, including 40a and 40b.

Optional Courses: other courses in psychology and courses in related subjects.

HONORS

Director: Miss Siipola.

Prerequisite: 11b. Courses in zoology, physics, sociology, and German are useful as background.

Program: 40a and 31a or 31b, twelve hours in other psychology courses, and six devoted to a long paper and review; nine additional hours in psychology or related subjects.

Examinations: one on general experimental and theoretical psychology; one on other fields of psychology; one a more specialized type.

RELIGION & BIBLICAL LITERATURE

PROFESSOR: VIRGINIA CORWIN, B.D., PH.D., *Chairman*

ASSISTANT PROFESSORS: †STEPHEN TROWBRIDGE CRARY, B.A., B.D.

WILLIAM LEE MILLER, A.B., B.D.

RICHARD PRESTON UNSWORTH, A.B.

INSTRUCTOR: WILLIAM FRANCIS MAY, A.B., B.D.

The courses in religion which may be taken to fulfill the distribution requirement in Group A are 11; in Group C, 14, 31a and b, 35a and b.

11 *Introduction to the Bible*. The literature of the Bible as expressing the religion of the Hebrew prophets, lawgivers, historians, and poets, and the early Christians. M T W 12 (for freshmen); M T W 9, Th F S 9 (for upperclassmen). Miss Corwin.

14 *Introduction to the Study of Religion*. Teachings of contemporary Judaism, Roman Catholicism, and Protestantism. Problems presented by scientific thought, nationalism, and industrialized society. Survey of certain important religious ideas. For freshmen and sophomores only. Lec. Th 10. Rec. (for freshmen) Th F 3, F S 10; (for sophomores) Th F 2, 3; F S 10. Miss Corwin, Mr Miller, Mr May, Mr Unsworth.

RELIGION & BIBLICAL LITERATURE

- [25b *Greek New Testament*. Prerequisite, Greek 11, or the equivalent.]
- [26a *The Literary History of the Bible*. The earliest scriptural collections through the history of the great translations. Prerequisite, one year of Bible studies in college. M T 4 and one hour to be arranged.]
- [27b *Life and Teachings of Paul*. Prerequisite, 11. Th 2-4, F 2.]
- 28b *Judaism*. Its background in Hebrew times, its later literature and institutions. Modern thinkers. M T W 2.
- [29 *Hebrew*. Elementary course with readings from narratives of the Old Testament. M T W 10.]
- 31a *History of Christian Thought through the Middle Ages*. The early church fathers, Augustine, and medieval scholasticism. Th F S 9. Mr May.
- 31b *History of Christian Thought since the Middle Ages*. The formative period in Protestantism. Development of Catholic thought. Key figures and movements to the present. Th F S 9. Mr May.
- 32b *Religion in America*. Religious thought and institutions and their influence on American culture. M T W 2. Mr Miller.
- 33a *Christian Ethics*. The Biblical basis and major historical interpretations of Christian ethics. The development of a system of Christian moral theory to apply to contemporary problems. M T W 2. Mr Miller.
- 34 *Contemporary Religious Thought*. The impact of modern science and philosophy on thought about God and the meaning of human life. Issues in recent Catholic, Protestant, and Jewish theology. M T W 11.
- 35a *Great Religions*. Religions of India, China, and Japan: their literature, teachings about the world and man, modern resources and problems. Th F S 11. Miss Corwin.
- [35b *Great Religions*. Judaism, Christianity, and Islam: leaders, religious and ethical thought, great literature, modern resources and problems. To be offered in alternate years. Th F S 11. Miss Corwin.]
- [36a *Problems of the Individual in the Bible*. His rewards and sufferings, his search for mediation between God and man, based on such books as Jeremiah, Job, the Fourth Gospel, Ephesians. Th 2-4, F 2.]
- 37 *Religion and Social Responsibility*. Religious critiques of power and interest in race, class, and nation. Religious principles as a basis for policy and action in contemporary society. M T W 3. Mr Miller.

RELIGION & BIBLICAL LITERATURE

39a *The Religion of the Prophets.* The role and teaching of the greatest members of the prophetic movement. Open to any who have taken Religion 11. MTW 10.

39b *Jesus in the Gospels.* A study of his teaching and mission based on the first three gospels. To be given in alternate years. Open to any who have taken Religion 11. Th F S 11. Miss Corwin.

40b *Religion, Its Nature and Functions.* Readings and discussions. T 4-6.

41, 41a, 41b *Special Studies.* By permission of the Department for senior majors who have had twelve semester hours above Grade I in religion. *Two or three hours.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Advanced Studies. *One hour or more.*

Adviser of graduate study: Mr Miller.

THE MAJOR

Advisers: Miss Corwin, Mr Miller.

Based on 11 or 14.

Essential Courses: twenty-one semester hours in religion, including 40b, six hours in Biblical studies (three for those who have taken 11), and six hours in religious thought.

Optional Courses: other courses in religion and in related departments.

HONORS

Director: Mr May.

Prerequisite: 11 or 14.

Program: in junior year six semester hours in courses or units in Biblical studies and six in religious thought; in senior year one unit for the preparation of the paper and one for review. The greater portion of the work will be in units and courses in the Department, with work in related fields approved by the director.

Units will be conducted by means of regular conferences and special reading, and will usually be planned in conjunction with existing courses.

Examinations: one in a selected field of concentration; one in the general field of the major; one oral.

UNITS

Studies in the Old Testament.

Studies in the New Testament. Miss Corwin.

History of Christian Thought. Mr May.

Judaism.

The Function of Religion in the Development of Society. Mr Miller.

History of Religion. Miss Corwin.

Contemporary Religious Thought. Mr Crary.

RUSSIAN LANGUAGE & LITERATURE

PROFESSOR:	†HELEN MUCHNIC, PH.D.
ASSOCIATE PROFESSOR:	CATHERINE A. PASTUHOVA, PH.D., <i>Chairman</i>
ASSISTANT PROFESSOR:	GEORGE GIBIAN, PH.D.
VISITING LECTURER:	NICOLAI S. VOROBIOV, PH.D.

The courses in Russian which may be taken to fulfill the distribution requirement in Group A are 23, 26, 35a and b.

- 11 *Elementary Course*. Five class hours. *Three hours each semester*. M T W 10, Th 10-12. Mrs Pastuhova and members of the Department.
- 21 *Selections from Russian Prose and Poetry*. Prerequisite, 11 or the equivalent. *Three hours or more each semester*. M T W 2. Mrs Pastuhova. (L)
- 23 *Literature of the Nineteenth Century*. Development of Russian realism. Study of some typical works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy, with discussion of important trends in social and aesthetic ideas which they represent. Conducted in Russian. Prerequisite, 21 or the equivalent. M T W 10. Mr Vorobiov. (L)
- 31 *Advanced Course*. Reading from classical and Soviet literature, with emphasis on roots and structure of the language, based on the history of Russian civilization. Prerequisite, 21 or permission of the instructor. Mrs Pastuhova and members of the Department. (L)

LITERATURE IN TRANSLATION

- 26 *History of Russian Literature*. From the beginnings to 1917. M T W 11. Mr Vorobiov.
- 35a *Pushkin and Gogol*. M T W 12. Mr Vorobiov.
- 35b *Tolstoy and Dostoevsky*. M T W 12. Mr Gibian.
- 40b Review Unit.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Russian. *Two or three hours*.
- 42a *Russian Literature since the Revolution*. Poems, plays, and novels of selected Soviet authors considered as works of literary art and as illustrations of the social, economic, and political conditions of the period. Mr Gibian.

RUSSIAN LANGUAGE & LITERATURE

THE MAJORS

Advisers: members of the Department.

A. Russian Major

Based on 21.

Essential Courses: 23, 26, 35a, 35b, 40b, History 317a.

Optional Courses: 31, 42a, Economics 319a, Government 31, other courses in related fields.

B. Major in Russian Civilization

Based on 11 and History 11.

Essential Courses: 21, 26, 35a, 35b, 40b, Economics 319a or Government 31, History 317a.

Optional Courses: 42a, further work in Russian language, courses in related fields.

HONORS

Director: Mr Vorobiov.

Prerequisites: 21, 26.

Program: 23, 35a, 35b, 42a, History 317a; at least twelve hours in units and seminars in the Department or in other departments within the field of correlation; a long paper in first semester of senior year to count for three hours.

Examinations: (1) on the whole field of Russian literature; (2) on Russian history; (3) on the field of correlation; (4) on language with translation from Russian into English, and from English into Russian, and a brief composition in Russian.

For students who choose honors in Russian Civilization an appropriate course in government or economics will be substituted for Russian 23 and the examination in language will be omitted.

SOCIOLOGY

PROFESSORS:

****CHARLES HUNT PAGE, PH.D.**

NEAL BREAULE DENOOD, PH.D., *Chairman

MARGARET ALEXANDER MARSH, A.M., *Acting Chairman first semester.*

ASSISTANT PROFESSOR:

ELY CHINOV, PH. D.

LECTURER:

FLORENCE ROBERTS DAY, M.SC. (Soc. Admin.), Director of the Smith College School for Social Work

INSTRUCTORS:

JAMES LOWELL MCPHERSON, A.B.

MICHAEL SEYMOUR OLMSTED, PH.D.

SOCIOLOGY

The courses in sociology which may be taken to fulfill the distribution requirement in Group E are Sociology 26, 34a and b, Social Science 192.

Students planning to major or to do honors work in sociology are advised to select from the following: Psychology 11a, 11b, 12, 25b; Economics 21; Government 11, 21; History 11, 13, 323a; Philosophy 11, 22, 24; History and Social Science 293.

Students who plan to enter the field of social work should consult their major advisers regarding desirable courses.

Unless otherwise indicated the prerequisite for Grade III courses is 26 or Social Science 192.

- 26 *The Study of Society and Culture.* Analysis of social structure, institutions, and change on the basis of sociological and anthropological studies of various societies, including the United States. Open to freshmen by permission of the director. Lec. M 10. Rec. T W 10, 11, 12; Th F 10, 11. Mr Chinoy (*Director*), Mr Page, Mr McPherson, Mr Olmsted.
- 27b *Principles of Sociology.* The cultural order, group structure, major social institutions, social change analyzed with an emphasis on comparative materials from various societies. For students who have passed Social Science 192 and for certain transfer students. M T W 12. Mr McPherson.
- [31a *Urban Sociology.* Theoretical and practical problems of urban society. Optional field trip. Offered in alternate years. M T W 2. Mr McPherson.]
- 32a *Social Disorganization.* Theory of social disorganization; delinquency, crime, and related problems. Psychology 11a and b or 12 may be offered as prerequisite. Th F S 9. Mr Chinoy.
- 32b *Social Disorganization.* Family disorganization; mental deficiency and pathology; and related problems. Optional field trip. Psychology 11a and b or 12 may be offered as prerequisite. Th F S 9. Mr DeNood.
- 33a *Social Anthropology.* A comparative study of social structure, religion, and personality formation among selected non-literate societies. 34a or 34b may be offered as a prerequisite in place of 26. Th F S 11. Mr Olmsted.
- 34a *The Expansion of Western Culture.* Social consequences of contact between Western and non-Western cultures. Problems applied to Latin America, Africa, and the Moslem world. No prerequisite. Th F S 10. Mrs Marsh.
- 34b *The Expansion of Western Culture.* Problems of culture contact and culture change applied to Asia and the islands of the Pacific. No prerequisite. Th F S 10. Mrs Marsh.

- 35a *The Modern Family*. Analysis of courtship, marriage, and family life with relation to changing and persistent values, attitudes, and laws; emphasis on women's roles. For seniors without prerequisite; for others with prerequisite as stated above. M T W 11. Mr Page.
- 36b *Leadership and Consensus*. Leadership, group structure and the maintenance of consensus on the informal or primary group level, in bureaucratic organizations, and in larger social aggregates. M T W 3. Mr Olmsted.
- 37b *Racial and Ethnic Relations*. The application of sociological and anthropological findings to the study of "minority group" relations in the modern world, with particular emphasis on the United States. W Th F 2. Mrs Marsh.
- 38b *The Sociology of Social Planning*. Theory of social planning. Study and analysis of social planning in health, education, recreation, welfare, housing, and community reorganization. Emphasis on twentieth century developments in the United States. Th F S 11. Mr DeNood.
- 39a *Social Work in the American Community*. Development and theory of modern social services; the basic processes: casework, group work, and community organization. Prerequisite, the introductory course in economics, government, psychology, sociology, or Social Science 192. Alternates with Education 31a. M T W 10. Miss Day.
- 311a *Class Structure in American Society*. Major theories and their application to the American scene; examination of current research. M T W 3. Mr Chinoy.
- 312a *European Sociological Theories*. Critical analysis and application of theories of Durkheim, Simmel, Pareto, Weber, Mannheim. M T W 12. Mr Page.
- 313a *The Sociology of Occupations*. Analysis of the social roles and social relationships of various types of workers in careers, callings, or jobs, professional and executive personnel, white-collar workers, servants, women workers. Offered in alternate years. M T W 2. Mr McPherson.
- 324b *Population Problems and Policies*. The crucial role of population in current world developments. Trends and significance of basic factors: births, deaths, and migration. Population quality. Comparative survey of the population situation and policies in important areas of the world. Prerequisite, completion of Group E distribution requirement. M T W 9. Mr Mair.
- 40b *Problems of Scope and Method*. Theory and research in American sociology. M T W 11. Mr Chinoy.
- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in sociology. *Two or three hours.*

SOCIOLOGY

43b *Seminar in Social Research.* Theory and logic of inquiry in relation to research techniques: questionnaires, interviews, case studies, participant observation. By permission of the instructor. Mr Chinoy.

44a, 44b *Seminar in Social Institutions.* Structure, functions, dynamics, and integration of contemporary institutions. By permission of the instructor. Mr DeNood.

45a *Seminar in Social Change.* Theories of social change and their application to structural trends and democratic processes in modern societies. By permission of the instructor. Mr Page.

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology.* Subject to be announced. By permission of the director.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Special Advanced Studies in such subjects as advanced theory, social organization and disorganization, culture contacts, problems of scientific methodology. *One hour or more.*

Adviser of graduate study: Mr Page.

THE MAJOR

Advisers: Mr Page, Mr DeNood, Mr Chinoy, Mr McPherson, Mr Olmsted.

Based on 26, or on Social Science 192 and Sociology 27b.

Essential Courses: twenty-one semester hours above Grade II in sociology including 312a and 40b.

Optional Courses: other courses in sociology; appropriate courses in allied departments.

Majors may spend the junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

HONORS

Director: Mr Chinoy.

Prerequisite: Candidates are urged to take introductory courses in two or more of the following departments: economics, government, history, philosophy, psychology.

Program: units, seminars, and courses, including six hours in advanced sociological theory, preferably in junior year; three or six hours for a long paper in first semester of senior year; three hours for directed reading and review in the second semester; and twelve additional hours in sociology.

Examinations: one in theory and two in fields of concentration which may also include sociological theory.

UNITS

The units will count for three or six hours each.

American Sociological Theory. Mr Chinoy.

European Sociological Theory. Mr Page.

Expansion of Western Culture. Mrs Marsh.

Social Stratification. Mr Chinoy.

Other units may be offered upon request.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

PROFESSORS:	RUTH LEE KENNEDY, PH.D. KATHERINE REDING WHITMORE, A.M., D.LIT. (Madrid)
ASSOCIATE PROFESSORS:	MIGUEL ZAPATA Y TORRES, PH.D. HELEN JEANNETTE PEIRCE, A.M., <i>Chairman</i>
ASSISTANT PROFESSORS:	‡JOAQUINA NAVARRO, A.M. MANUEL DURÁN, PH.D.
INSTRUCTOR:	PHYLLIS BURROWS TURNBULL, A.M.

The course in Spanish which may be taken to fulfill the distribution requirement in Group A is 25.

The following preparation is recommended for students who intend to take the Spanish or Latin American major: courses in classics, either in the original or in translation; courses in other European literatures and history; a reading knowledge of another foreign language.

PORTUGUESE

21 *Elementary Portuguese.* Prerequisite, two years of Spanish or permission of the instructor. Miss Peirce.

22a, 22b *Reading of Modern Portuguese Prose.* Prerequisite, 21. One hour. Miss Peirce.

SPANISH

A. Language

11 *Elementary Course.* M T W 3, Th F S 10. Members of the Department.

11d *Elementary Course* (covering the work of two years). *Six hours each semester.* M T W Th F 9, 11, and one hour to be arranged. Members of the Department.
(L)

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

- 12 *Intermediate Course*. Grammar review and reading of modern prose. Prerequisite, two units in Spanish or 11. M T W 9, 10; Th F S 9, 11. Members of the Department. (L)
- 13 *Grammar, Composition, and Reading*. Discussion of modern Spanish novels, plays, and poetry. Prerequisite, three units in Spanish. M T W 9. Members of the Department. (L)
- 21a *Prose Composition*. Prerequisite, 11b, 12, 13, or 16. W Th F 2.
- 31b *Advanced Prose Composition*. Prerequisite, 21a. Th F S 10. Mr Zapata.
- 32a *Teachers' Course*. Review of Spanish grammar. Discussion of methods. Practice teaching. Prerequisite, 21a or 25. Miss Kennedy.
- 33b *Advanced Translation into English*. The material to be translated will be taken from current publications, letters, technical articles.

B. Conversation

- 14a, 14b *Conversation*. Two class hours. One hour. M T 2.

C. Literature

The prerequisite for courses of Grade III in this division is 25.

- 16 *A Study of Some Aspects of Spanish Life and Culture*. Reading in Spanish, discussion in English. Prerequisite, three units in Spanish or 12 or 11b. M T W 10; Th F S 10, 11. Members of the Department. (L)
- 25 *Reading of Modern Novels, Plays, and Poetry*. Prerequisite, four units in Spanish, 11b, 12, 13, or 16. M T W 11; Th F S 9, 12. Members of the Department. (L)
- 34a *Masterpieces of Spanish Literature to the Beginning of the Sixteenth Century*. Th F S 10. Mr Zapata.
- 35b *Literature of the Spanish Renaissance*. Garcilaso de la Vega, Fray Luis de Leon, San Juan de la Cruz. Mr Durán.
- 36a *Cervantes: Don Quijote*. M T W 12. Miss Kennedy.
- 36b *Drama of the Seventeenth Century*. Lope de Vega, Tirso de Molina, Calderón. M T W 12. Miss Kennedy.
- 37a *Nineteenth Century: The Romantic Period*. M T W 11. Mr Durán.
- 37b *Nineteenth Century: The Modern Novel*. M T W 11. Mrs Whitmore.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

38a *Contemporary Spanish Literature*. M T W 10. Mrs Whitmore.

310a, 310b *South American Literature*. A study of representative works and authors from the colonial period to the present. Recommended background, History 13 or 325a. M T W 2. Miss Peirce.

40b Correlation of work in the major field.

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Spanish. *Two or three hours*.

D. Graduate Courses

Students who wish to do graduate work in the Department are required to have a knowledge of Latin.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced studies in Spanish literature, arranged in consultation with the adviser of graduate study, on subjects such as poetry of the golden age, Cervantes, Tirso and the Spain of his epoch, nineteenth and twentieth century prose.

52 *History of the Spanish Language*. Mr Zapata.

53a or b *Spanish Bibliography and Literary Methods*. Miss Kennedy.

Adviser of graduate study: Miss Kennedy.

THE MAJORS

Advisers: Mr Zapata for 1955, Miss Kennedy for 1956.

A. *The Spanish Major*

Based on 11b, 12, 13, or 16.

Essential Courses: from Division A, 21a and 31b; from Division C, 40b and nine semester hours above Grade II normally so distributed as to include work in each of the three major periods.

Optional Courses: other Spanish courses above Grade I or courses in related departments.

B. *The Latin American Major*

Based on 11b, 12, 13, or 16.

Essential Courses: 310a, 310b, 40b; History 325a.

Optional Courses: 31b, any Grade III course from Division C; Portuguese 21, 22a and b; History 420b; Geology 32a; Sociology 34a; any course of Grade III or IV treating some phase of Latin American civilization.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

HONORS

Director: Miss Kennedy.

Prerequisites: 11b or the equivalent; 25 and, if possible, 21a and 31b.

Program:

Minimum requirement: two units in language before second semester of senior year; a paper and review in senior year.

Optional courses or units to be selected in consultation with the director.

Examinations:

1. In Spanish: to test ability to use the language.

2. In English: (a) on the whole field; (b) on a special field; (c) on a great writer *not* of the special field.

SPEECH

ASSISTANT PROFESSORS: CHARLOTTE H. FITCH, A.M., *Chairman*

JAY SAVEREID, A.M.

VISITING LECTURER: CLARENCE V. HUDGINS, PH.D.

INSTRUCTOR: BLANCHE MULDROW, PH.D.

11a *Fundamentals of Speech.* An introduction to oral communication. Participation in a variety of speech experiences with attention given to individual voice needs. Conferences and voice recordings. M T W 10, 12; Th F S 10, 11. Members of the Department.

11b Repetition of 11a. M T W 10, Th F S 10.

12a *Fundamentals of Speech.* Continuation of 11a or b, with emphasis on more advanced techniques in public speaking, group discussion, oral reading, and radio. Prerequisite, 11a or b. M T W 9. Members of the Department.

12b Repetition of 12a. M T W 10, 12; Th F S 10, 11.

14 *Fundamentals of Speech for the Theatre.* Training in the basic techniques of voice, speech, and action for the stage. Practical experience in pantomime, improvisations, and scenes from plays. Individual conferences and voice recordings. M T W 10, Th F S 11. Miss Fitch.

22a, 22b *Voice Training.* A laboratory course adapted to individual voice and articulatory needs. Two class hours. *One hour.* T W 3, Th F 12. Members of the Department.

23b *Extemporaneous Speaking.* The organization, composition, and delivery of various types of speeches. Prerequisite, 11a, 11b, 14 or 33a. M T W 12. Mr Saveroid.

SPEECH

- [24 *Advanced Speech for the Theatre*. Problems in speech and action for the stage. Acting and directing of scenes from plays of various types and periods. Prerequisite, 12a or b, or 14. M T W 12. Miss Fitch.]
- 25a *Play Reading*. The oral interpretation of plays from the modern period, beginning with Ibsen and Chekov. Individual and group readings, with special emphasis on line analysis and the creation of character. Prerequisite, 12a or b, or 14. M T W 11. Miss Muldrow.
- [28 *Phonetics for Foreign Students*. Formation of English speech sounds, their distribution in connected speech, stress, intonation, and rhythm. Two class hours. One hour each semester.]
- 31 *Radio*. A study of the history and background of radio and television. Practical experience in the preparation and production of radio programs: plays, interviews, talks, and news reporting. Four class hours. M Th 4-6. Miss Fitch.
- 33a *Discussion*. A study of the principles, methods, and types of discussion. Group participation in discussion of human relations and current affairs. M T W 12.
- 35b *Advanced Play Reading*. The oral interpretation of plays from the main periods of dramatic literature before Ibsen. Individual and group readings, with attention given to poetic drama and to period style. Prerequisite, 14, 24, or 25a. M T W 11. Miss Muldrow.
- 36a, 36b *Oral Interpretation*. Communication of the printed page through reading aloud. Literary elements analyzed from the interpreter's point of view, with practice in oral techniques. Second semester, concentration on specific oral requirements of the various literary forms. Open to sophomores who have had 12a or b. Th F S 11. Miss Muldrow.
- 38b *Oral Interpretation of Children's Literature*. A study of children's literature in relation to the various age levels. Selection and evaluation of material, with practice in story-telling, reading aloud, choral speaking, creative dramatics, and radio. Th F 12 and a practice hour to be arranged. Miss Muldrow.
- 48a *Speech for the Classroom Teacher*. The fundamentals of oral communication as applied to the speech of the teacher. The recognition and classroom handling of the minor types of speech problems found in the classroom. Two class hours and one period for practice and observation. Th F S 9. Miss Muldrow.
- [48b *The Teaching of Speech*. Content and methods for the teaching of speech as applied to various age levels and school activities. Observation and directed practice teaching. Open to seniors who have had twelve semester hours above Grade I in speech or theatre. Th F S 9. Miss Muldrow.]

SPEECH

- 58a *Experimental Phonetics*. The methods and subject matter of experimental phonetics and its application in speech teaching and speech correction, with special reference to the speech of the deaf. Prerequisites, a fundamental course in speech and Physics 11 or Psychology 11a, or permission of the instructor. Mr Hudgins.

THEATRE

PROFESSOR:	†HALLIE FLANAGAN DAVIS, A.M., L.H.D.
ASSOCIATE PROFESSORS:	DENTON M. SNYDER, M.A., <i>Chairman</i> †EDITH BURNETT, B.S.
ASSISTANT PROFESSOR:	GEORGE BRENDAN DOWELL, A.M.
INSTRUCTORS:	THEODORE KAZANOFF, A.M. JOAN FORD, A.B. JOY ANNE VON ROSSWAAG
TEACHING FELLOWS:	JOAN ELIN BLUMBERG, A.B. JOHN WALTER KOTSCHNIG, A.B. KENNETH J. RUCINSKI, A.B.

The course in theatre which may be taken to fulfill the distribution requirement in Group B is 11.

- 11 *Introduction to Theatre*. The place of the theatre in the life of man and in the art and society of his time. Analysis of basic elements of theatre ancient and modern: play, direction, acting, design, audience. Lectures, discussions, and demonstrations. Lec. M T 11. Rec. W 11, 12; Th 12, 2.
- 12 *Movement for Acting and Dance*. One hour each semester. Lec. W 10 or 2; one supervised practice hour to be arranged on the day of registration. Miss Ford.
- 22 *Survey of Dance*. Technique, history, eurythmics, and composition. By permission of the instructor. Lec. T 9; four supervised practice hours, M W 9 and two hours to be arranged. Miss Ford and Miss von Rosswaag.
- 31 *Play Production*. A study of the major aspects of production; play analysis, acting, and design. Laboratory: a minimum of six hours a week during the four weeks' preparation period for each of the three major productions. For juniors taking the major; for others by permission of the Department. Six hours each semester. M T W 2-4; time of laboratory to be arranged. Mr Snyder, Mr Dowell, Mr Kazanoff.
- 32a, 32b *Choreography*. Advanced course designed to emphasize individual and group creative expression through the medium of modern dance. Technique, original composition, and production. Prerequisite for 32a, 22; for 32b, 32a. Six studio hours. M T W 11 and three hours to be arranged. Miss Ford and Miss von Rosswaag.

THEATRE

- 35a, 35b *Theory and Practice in Special Forms of Dramatic Composition.* Includes the living newspaper and the chronicle history. Mr Dowell.
- 40b Synoptic course designed to help each student unify the work in her major field. Mr Snyder and members of the Department.
- 41a, 41b Special Studies. Acting, directing, lighting, design, research. By permission of the Department for senior majors who have had twelve semester hours above Grade I in theatre. *Two or three hours.* W 2-4 or by special arrangement. Members of the Department.
- [42a, 42b *Advanced Radio.* Study and practice in the preparation and production of radio scripts. *Three hours.*]
- 43 *Advanced Play Production.* A course in which students will continue their studies in theatre, and will work in an apprentice relationship in staging the Department's season of plays. For theatre majors. Prerequisite, 31. T 2-4. Mr Snyder and members of the Department.
- 50 Research and Thesis. *Three or six hours.* Members of the Department.
- 51a, 51b Advanced studies arranged in consultation with the Department. *One hour or more.*
- 52 *Rehearsal and Production.* Theory and practice on Department productions; advanced work in direction, acting, lighting, and stage design. *Three or six hours each semester.* Members of the Department.

INTERDEPARTMENTAL MAJOR

Adviser: Mr Snyder.

Based on 11.

Essential Courses: 31, 40b, and 43; Speech 14; Theatre 12. It is advisable for students to have met the speech and dance requirements by the end of sophomore year.

In addition at least six hours from the following: Theatre 35a, 35b, 42a, 42b; English 312, 345a, 345b; Speech 24, 25a, 35b, 48a, 48b; or courses in other departments approved by the Department of Theatre. Laboratory work in speech and movement may be required.

THEATRE

HONORS

Director: Mr Snyder or a designated member of the Department.

Prerequisites: see the requirements for entrance to the major.

Program: the requirements will consist of (1) junior year, 31; senior, 43. Students may combine this basic work with courses totaling at least fifteen hours in art, English, languages, music, speech, theatre, or any other field approved by the director. (2) An independent piece of work counting for six hours which may take the form of a thesis in the literature, art, or history of the theatre; an original play; creative work in design, acting, direction, or stagecraft.

Examinations: two written and one oral along the following lines: historical, theoretical and literary, technical.

ZOOLOGY

PROFESSORS:

MYRA MELISSA SAMPSON, PH.D.
ERNEST CHARLES DRIVER, PH.D.
LOIS EVELYN TE WINKEL, PH.D., *Chairman*
ESTHER CARPENTER, PH.D.

ASSOCIATE PROFESSOR:

ELIZABETH SANDERS HOBBS, D.SC.

ASSISTANT PROFESSORS:

†B. ELIZABETH HORNER, PH.D.
GEORGE WARREN DE VILLAFRANCA, PH.D.

VISITING LECTURER:

EUNICE CHACE GREENE, A.M.

TEACHING FELLOWS:

MARY CATHERINE DOWLING, B.A.
MARTHA JANE EDGAR, A.B.
NAOMI PESSE KAPLAN, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Zoology 11, 12, Biological Science 195.

Students planning to major in zoology are advised to take 11 in freshman year and general botany or chemistry before the junior year. See also preparation required for honors work.

11 *General Zoology.* Introduction to the study of animals, including the fundamental principles of biology and a comprehensive survey of the animal kingdom. Laboratory work consists of dissection, experiments, and practice in the use of the microscope. Two lectures and two two-hour laboratory periods. Lec. Th F 2. Lab. M T 9, 11, 2; Th F 9, 11. Miss Carpenter, Mrs Hobbs.

11b The second semester of 11 for students who have passed 12, Biological Science 195, or Botany 11. Hours and instructors as in 11.

- 12 *The Anatomy and Physiology of Man and Other Mammals.* A study of the structure and functions of systems for support, motion, nutrition, reproduction, control, and integration. Two lectures and two two-hour laboratory periods. Lec. Th F 11. Lab. M T 9, 11, 2, 4; Th F 9, 2. Miss Sampson, Miss Te Winkel, Mrs Greene, Mr de Villafranca.
- 22 *Comparative Anatomy of Vertebrates.* Comparison and probable evolution of structures in a series of chordates from amphioxus to mammal. Prerequisite, 11, 12, or Biological Science 195; open to geology majors by permission of the instructor. Two lectures and two two-hour laboratory periods. Lec. M T 11; Lab. M T 2, Th F 9. Mr Driver.
- [31a *Nutrition.* Human nutrition and its relation to the composition, supply, selection, preparation, and cost of food. By permission of the instructor. Lectures and demonstrations. Th F 9-11. Miss Sampson.]
- 32 *General Physiology.* Experimental study of animal functions, their interrelations and their regulation. For students who have passed 12 or have passed or are taking 22, and Chemistry 11 or the equivalent. Two lectures and two two-hour laboratory periods. Lec. W 9, 10; Lab. M T 9, 2. Miss Sampson.
- 33 *General Embryology.* Development of animals, with particular reference to vertebrates. For students who have passed 12 or have passed or are taking 22. Two lectures and four hours of laboratory. Lec. Th F 2; Lab. Th F 3-5. Miss Te Winkel.
- [34a *Entomology.* Introductory study of insects, with field trips. Prerequisite, 11. Th F 11-1 and two hours of independent work.]
- 36b *Genetics.* Principles of heredity, with economic and eugenic applications. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195 and, for sophomores, permission of the instructor. Open to students majoring in sociology or education by permission of the instructor. Two lectures, one two-hour laboratory period, and two hours of independent work. Lec. Th F 10; Lab. W 2. Mr Driver.
- 37 *Histology.* A study of animal tissues including their origin, differentiation, functions, changes with environment and with age, and their arrangement in organs. The laboratory work will include methods of preparation of material for microscopic examination. Prerequisite, 11 or 12. Lec. or Dem. Th F 9; Lab. Th F 11-1. Miss Carpenter.
- 38 *Animal Taxonomy and Ecology.* Field and laboratory work on animal identification and habits. Lectures on early American naturalists, methods of nature study, and wild-life conservation. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195. Two lectures and four hours of laboratory or field work. Lec. M T 2; Lab. M T 3-5. Mr Driver.

ZOOLOGY

- 311a *Protozoology*. Free-living and parasitic protozoa and their relationships to other animals including man. Prerequisite, 11, 12, or Biological Science 195. Open to sophomores by permission of the instructor. Th F 11-1 and two hours of independent work. Mrs Hobbs.
- 40b Review Unit. Members of the Department.
- 41, 41a, 41b Special Studies. Problems not dealt with in other courses in the Department. By permission of the Department for senior majors who have had twelve semester hours above Grade I in zoology. *Two or three hours*.
- 42b *Advanced Physiology*. Properties and functions of products synthesized by living organisms, including enzymes, hormones, vitamins, and other specific substances. Prerequisites, 32 and Chemistry 31. Two lectures and four hours of laboratory. Lec. F 2-4; Lab. Th 2-6. Mr de Villafranca.
- 43a *Development of Zoological Concepts*. Study of man's continuous effort to analyze and reduce to system the knowledge of living organisms and to interpret the phenomenon of life, with special attention to the development of the concept of species and theories of evolution. Open, by permission of the instructor, to students not majoring in zoology. Lec. W 2 Th F 10. Mr Driver.

Research Courses

In these courses the work is individual and involves, in addition to the laboratory work upon which it is based, extensive reading and conferences with the instructor at stated intervals. A reading knowledge of French and German is desirable. *Two hours or more each semester*.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced Studies. *One hour or more*.

52a, 52b *Embryology*. Prerequisite, 33. Miss Te Winkel.

53, 53a, 53b *Anatomy* (prerequisite, 22) or *Ecology* (prerequisite, 38). Mr Driver.

54 *Recent Advances in Zoology* (seminar). Reading and individual reports. *One hour each semester*.

[56, 56a, 56b *Entomology*. Prerequisite, 34a.]

57, 57a, 57b *Physiology*. Prerequisite, 32. Miss Sampson, Mr de Villafranca.

58a, 58b *Histology and Cytology* (prerequisite, 37); 58 *Tissue Culture* (prerequisites, 37 and Bacteriology 22.) Miss Carpenter.

59 *Genetics*. Prerequisite, 36b. Mr Driver.

NOTE—See also Botany S53, 54a and b, 55.

ZOOLOGY

510, 510a, 510b *Protozoology*. Prerequisite, 311a. Mrs Hobbs.

Adviser of graduate study: Miss Sampson.

THE MAJOR

Advisers: Miss Sampson, Mr Driver, Miss Te Winkel, Miss Carpenter.

Based on 11, 12, or Biological Science 195. If based on 12 or 195, 11b must be taken later.

Essential courses: 22, 40b, and twelve semester hours in zoology above Grade II.

Optional courses: other courses in zoology; related courses in the sciences, or other subjects by permission of the adviser.

HONORS

Director: Miss Carpenter.

Prerequisites: 11 or 11b and 22; Chemistry 11 or its equivalent. Normally these courses should be taken before junior year.

Program:

Requirements: 32, 33, 43a, and three additional hours in zoology; three hours throughout the year on an individual problem, paper, and review.

Optional courses approved by the director.

Examinations: two will cover the general field, the third may be of a specialized character.

INTERDEPARTMENTAL MAJORS

AMERICAN STUDIES

Adviser to the major: Mr Aaron.

This major aims to bring into a single focus certain courses which explore the history of thought and expression in the United States. It is limited to 25 students from each class.

Based on History 11 (or another college course in European History approved by the adviser), History and Social Science 293, and English 212.

Essential courses:

Six hours chosen from History 319a and b, 320a, 321a, 321b, 322a, 322b, 323a, 324a, 414a, 415b.

Twelve hours from English 321a, 321b, 417b, Art 313a, 313b, Government 38a, Religion 32b, Education 36b, Philosophy 310a, or, with the approval of the adviser, relevant courses in government, economics, sociology.

Six hours:

American Studies 31a. Contributions of particular fields to the study of American civilization as a whole. For juniors majoring in American Studies. Mr Davies, Mr Sheehan, *directors*.

INTERDEPARTMENTAL MAJORS

American Studies 40b. *Integrating Course.* Mr Aaron.

It is recommended that students also elect courses dealing with European civilization.

HONORS

Director: Mr Aaron.

Students eligible for honors work in American Studies must fulfill the same general requirements as the regular majors. Their programs must include at least one unit or seminar in their junior and their senior years, the writing of a long paper, and comprehensive examinations.

GENERAL LITERATURE

Adviser to the major: Mr Gibian.

This major allows the student to concentrate in the literature of two languages: English and one foreign language, or two foreign languages. Students who plan to elect this major and have entered with less than three units of Latin or Greek or a combination of the two will be required to take Latin 12b, Greek 11, 12a, or six hours of the classics in translation. Whenever possible, they should begin to plan the major in the spring of freshman year, and they will not be allowed to enter it later than the fall of junior year.

Based on two of the following: General Literature 291, Greek 12a and 12b or Latin 14a and 14b, English 21, French 26, German 26, Italian 26, Spanish 25, Russian 21. (When General Literature 291 is used as a basis, English 21 must be taken in addition to the major in the junior year.)

Essential Courses: twelve semester hours in literature courses in each of the two departments of concentration (eighteen of these twenty-four hours must be above Grade II); six semester hours of a third literature either in the original or in translation; General Literature 40b (Review unit).

The student is expected to attain (1) a knowledge of the development of two modern literatures in each of two comparable periods, or (if one of her choices is Greek or Latin) a knowledge of the influence of a major figure or genre on a modern literature, and (2) a special understanding of at least one major figure in each of the principal literatures chosen.

Optional Courses: supplementary literature courses in other periods and relevant courses in other fields.

HONORS

Director: Mr Gibian.

Students taking honors in General Literature are expected to fulfill the same general requirements as the regular majors. Their programs must include at least one unit or seminar each year, the writing of a long paper, and comprehensive examinations.

INTERDEPARTMENTAL MAJORS

SCIENCE

The interdepartmental majors in science are designed as preparation for (1) professional schools such as medicine, public health, or nursing; (2) graduate study in those fields which involve a thorough knowledge of more than one science, *e.g.* biochemistry, biophysics, or bacteriology; (3) laboratory work. Because it is advantageous to have basic training in chemistry, physics, zoology, and mathematics, it is urged that the student see the advisers of these majors as early as possible in freshman year.

Students planning to enter schools of nursing may consult Miss Sampson for information concerning entrance requirements for these schools.

BACTERIOLOGY

Adviser to the major: Miss Smith.

Essential Courses: Chemistry 11, 21, 31; Bacteriology 22, 34, 40b; Zoology 12 or 22.

Optional Courses: courses in chemistry, bacteriology, physics, zoology, or mathematics approved by the adviser.

HONORS

Director: Miss Smith.

Prerequisites, normally taken before junior year: Bacteriology 22; Chemistry 21; Zoology 12 or 22.

Program:

Requirements: Bacteriology 34, 43a; Chemistry 31; three hours throughout senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, zoology, bacteriology, physics, or mathematics approved by the director.

Examinations: one in chemistry, one in bacteriology, one selected according to the student's program.

PHYSIOLOGICAL CHEMISTRY

Adviser to the major: Miss Burt.

Essential Courses: Bacteriology 22; Chemistry 11, 21, 31, 42a; Zoology 12 or 22, 32; Chemistry 42b or Zoology 42b.

(Chemistry 42a and Chemistry or Zoology 42b will serve as the integrating course in this major.)

Optional Courses: other courses in chemistry, bacteriology, zoology, physics, mathematics, or Botany 35 with the approval of the adviser.

INTERDEPARTMENTAL MAJORS

HONORS

Director: Miss Burt.

Prerequisites, normally taken before junior year: Chemistry 21; Mathematics 12 or 13; Zoology 12.

Program:

Requirements: Bacteriology 22; Chemistry 31, 42a; Physics 11 or 12; Zoology 32, Chemistry or Zoology 42b; three hours throughout senior year on a problem, paper, reading, and review.

Optional Courses: courses in chemistry, physics, bacteriology, zoology, mathematics, or other related fields by permission of the director.

Examinations: one in chemistry, one in physiology, one selected according to the student's program.

PREMEDICAL SCIENCE

Adviser to the major: Mrs Hobbs.

The courses listed represent the minimum requirement for entrance to most medical schools, but as these differ from one another it is advisable for students to decide in the spring of freshman year which school they plan to enter and include any additional courses necessary. Thirty hours in the major are required in the three upper years of which twenty-one must be above Grade II.

40b Directed reading in the history of medicine from the standpoint of concurrent developments in chemistry, physics, and zoology.

Essential Courses: Chemistry 11, 21, 31; Physics 11 or 12; Zoology 11 or Biological Science 195, Zoology 22; Premedical Science 40b; a college course or its equivalent in German, French, or Spanish.

Optional Courses: other courses in chemistry, physics, mathematics, or zoology. Sociology 32a, 32b, or Psychology 36a and b may be substituted with the permission of the adviser.

Students may also prepare for medical schools by majoring in any department, if they include in their schedules the courses suggested above as the minimum requirement. They may consult the adviser of this major about their choice of courses.

HONORS

Director: Mrs Hobbs.

Prerequisites, normally taken before junior year: Chemistry 21; Physics 11 or 12; Zoology 11 or Biological Science 195; a college course or its equivalent in German, French, or Spanish.

INTERDEPARTMENTAL MAJORS

Program:

Requirements: Chemistry 31; Mathematics 12 or 13; Zoology 22; three hours throughout senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, physics, zoology, mathematics, or bacteriology. Sociology 32a, 32b, or Psychology 36a and b may be substituted with the permission of the director.

Examinations: one in chemistry, one in zoology, one selected according to the student's program.

THEATRE

The Interdepartmental Major may be found in the offering of the Theatre Department.

Graduate Study

Smith College offers to graduate women programs leading to the degrees of Master of Arts, Master of Education, Master of Science in Physical Education, and Doctor of Philosophy. For foreign students, programs for a Certificate of Graduate Studies are available. Ordinarily about one hundred women students are registered for advanced instruction, which is available in practically all departments of the College and in the interdepartmental fields of bacteriology and genetics.

To be admitted as a candidate for a degree, an applicant must have received her baccalaureate degree from a college or university of recognized standing, have fulfilled the prerequisite requirements for the field in which the degree is to be received, and show promise of ability satisfactorily to pursue advanced study and research. If the general and major requirements for the Bachelor's degree at the undergraduate institution are considered by the Committee on Graduate Study to be less than those required at Smith College, the student must make up the deficiencies in her undergraduate training before she is accepted as a candidate for an advanced degree.

Graduate courses are open to men as well as to women students. Graduates of any college of approved standing may receive instruction without reference to the attainment of an advanced degree.

The requirements for the degrees of Master of Arts and Master of Education may be fulfilled in one year by well-prepared full-time students; for the Master of Science in Physical Education, in two years (in one year by specially qualified students). The degree of Doctor of Philosophy is offered in a limited number of departments and requires at least three years of advanced studies including one year at another institution.

FELLOWSHIPS AND SCHOLARSHIPS

The College offers several fellowships and scholarships which are open to graduates of Smith College and to women graduates of other colleges of good standing. Special scholarships are available for study in education and in physical education. Other fellowships are offered to students from foreign countries.

The science departments and the departments of music, theatre, history, and the social sciences offer teaching fellowships and graduate assistantships for part-time graduate study combined with departmental assistance.

INFORMATION

Full information concerning the requirements for the various advanced degrees, admission, residence fees, and fellowships is given in the *Bulletin of Graduate Studies*. This bulletin, an application blank for admission, and other information may be obtained from the Secretary to the Committee on Graduate Study.

General Information

THE COLLEGE COMMUNITY

RESIDENCE

Community life and interests are an integral part of the education offered by Smith College. A large number of student organizations—of a civic, cultural, athletic, religious, political, social, pre-professional, or service nature—have the lively support of interested members of the student body to whom they give valuable experience. For some of these activities, such as the largely autonomous student government, various campus publications, and the college radio station, the students themselves are almost wholly responsible; for others, such as the formal musical activities, faculty direction is provided.

Life on the campus is also enriched by an extensive program of lectures and concerts which bring to the College distinguished speakers and musicians from this country and abroad. Additional lectures, concerts, recitals, plays, and debates by both the faculty and the students make for a full and varied calendar.

In support of these and other aspects of community life, the College emphasizes the importance of residence. Freshmen, sophomores, and juniors (in their first semester) are allowed only a limited number of nights away from the campus in each semester. After the middle of the junior year, the student herself assumes the responsibility for upholding the principle of residence. Within this framework, it has been possible for the faculty to grant to all students except freshmen and those whose standing is below diploma grade the responsibility for their own class attendance on all except the opening and closing days of a session. To those students whose homes cannot be reached with thirty-six hours of travel time from Northampton, special permissions may be given to extend the winter or spring recess.

Further details concerning the college community are given in *Smith College: a Handbook of Information*. Faculty and student legislation relating to residence and attendance is printed in full in *Smith College: Rules and Regulations*.

THE HOUSES

The basic unit of the campus community is the college house which normally accommodates fifty to seventy students representing all four classes. Assignments to houses are made in the order of dates of application for admission to college, except when students are admitted from a waiting list. A student may move from one house to another once during her college course, the order of assignment after the freshman year being determined by lot.

GENERAL INFORMATION

Except for a few smaller houses which are grouped together to make a single unit, each college house has its own living rooms, dining room, and kitchen, and is in the charge of a Head of House who devotes full time to the administration of the house and the welfare of its members. In most of the houses there is also a resident member of the faculty. Social regulations governing life in the houses are administered by the Student Government Association. Because of high operating costs, every student is asked to contribute up to four hours a week of light service to the house in addition to taking care of her own room.

RELIGIOUS LIFE

The College provides ample opportunity for the development and expression of religious faith of all creeds. Worship services are held in the morning from Monday through Friday in the Little Chapel, and College Vespers on Sunday bring outstanding clergymen to the campus. The Smith College Religious Association, of which every student is a member, includes a Christian Association for Protestants, a Newman Club for Roman Catholics, and a Hillel Club for Jewish students, and offers cooperative programs of education and community service. There is a Religious Center in which these campus groups hold their meetings and a full-time chaplain who is available for counseling and who directs the religious activities. The Northampton churches welcome students at their services. Thus it is possible for students of each faith to strengthen their own convictions and to gain an understanding and appreciation of other traditions.

HEALTH

The Health Service is directed by the College Physician assisted by a medical staff of four resident physicians. The Doctors' Office and the Elizabeth Mason Infirmary provide medical care and facilities for treating normal illness. For unusual or serious illness, the services of specialists in Northampton and Springfield are available. The Health Service also emphasizes preventive medicine by exercising supervision over the health of the dormitory staffs and working closely with the College Dietitian.

The College has arranged to cooperate with a reputable insurance company in offering a voluntary insurance plan which protects the student over a twelve-month period, whether in residence at college or not. Students are strongly urged to take out this insurance, which gives unusual protection, in addition to that which the College offers without charge.

In the interests of individual and community health, every student is expected to comply with the health regulations which are printed in *Rules and Regulations*.

VOCATIONAL COUNSELING AND PLACEMENT

The Vocational Office serves as a placement bureau for both alumnae and seniors who are seeking permanent positions, and for underclassmen who wish placements for the summer.

GENERAL INFORMATION

The staff assists students of all four classes in selecting their future occupations and in relating their courses to these occupations. The office provides information concerning specialized and professional training, arranges lectures and discussions on various vocations, and schedules interviews with employers who visit the campus.

Letters of recommendation for seniors and alumnae are filed with the Vocational Office and will be sent upon request to prospective employers and scholarship committees.

BUILDINGS AND GROUNDS

COLLEGE HALL, dedicated in 1875 at President Seelye's inauguration, is the main administrative building of the College.

JOHN M. GREENE HALL, given by John D. Rockefeller and other donors, is a large auditorium seating 2066 with additional seating space on the stage. Besides a fine four-manual organ which was presented by the Class of 1900 as a memorial to Cornelia Gould Murphy, there are two accessory two-manual organs.

SEELYE HALL, given by friends of President Seelye, contains classrooms for over fifteen hundred students, the laboratories of the Department of Geology and Geography, and department offices.

HATFIELD HALL, formerly Hatfield House, became an academic building in 1926, providing needed seminars and classrooms.

THE WILLIAM ALLAN NEILSON LIBRARY, the gift of Andrew Carnegie, alumnae, and students, contains a large reference room, general reading and study rooms, department seminar rooms, a Rare Book Room, and a room for the college archives. The Browsing Room, furnished as a private library, offers opportunity for leisure-hour reading. A wing was built in 1937 to provide more stacks, and to make possible additional seminar rooms, carrels for students, and offices for staff and faculty. The Little Chapel occupies the outer end of this wing.

The Smith College Library contains 387,440 volumes, this number including those books and pamphlets housed for greater convenience in the libraries of the art, music, and science buildings. The open-shelf system permits free access to all books.

THE HILLYER GALLERY, named for Winthrop Hillyer whose gift and bequest made this first art gallery possible, is equipped with studios and exhibition rooms, a library of art in memory of Drayton Hillyer, and a collection of approximately thirty-three thousand photographs, and fifty thousand slides. Graham Hall, a lecture hall seating 265, was added through the generosity of Christine Graham Long of the Class of 1910.

When the TRYON GALLERY was presented to the College by Mr and Mrs Dwight W. Tryon to house the Smith College Museum of Art, most of the paintings, prints, and other works of art were transferred to it from the Hillyer Gallery. The museum also contains galleries for loan exhibitions, which are arranged under the auspices of the Museum to supplement the permanent collections.

Named in honor of Mrs Russell Sage, SAGE HALL is the music building, con-

GENERAL INFORMATION

taining classrooms, offices, practice rooms, a library, and a collection of about fifteen thousand records. It also has an auditorium seating 743 and equipped with a Hammond organ and apparatus for motion pictures.

THE STUDENTS' BUILDING, designed in 1903 to be the center of the social life of the students, is now the home of the Smith College Theatre. Classrooms and offices of the Departments of Speech and of Theatre, and the headquarters of a few student organizations are also located in this building.

PIERCE HALL, until 1924 the music building, was then named in honor of Professor Arthur Henry Pierce and is devoted mainly to the Department of Psychology.

LILLY HALL OF SCIENCE contains the lecture rooms, laboratories, and library of the Department of Physics. It was the gift of Alfred Theodore Lilly.

THE OBSERVATORY was given by President Seelye and Mr A. Lyman Williston in honor of Henrietta Chapin Seelye and Sarah Tappan Williston. The instruments include equatorial telescopes, a Ross camera, and other apparatus for teaching purposes.

STODDARD HALL, the chemistry building, named in honor of Professor John Tappan Stoddard, was built in 1898 and enlarged by an addition in 1918. It contains a lecture room, library, laboratories, classrooms, offices, and modern research equipment.

BURTON HALL, a building of modern construction provided with the best equipment for the study of the biological sciences, was named for President Burton and was opened for use in September, 1914.

THE LYMAN PLANT HOUSE, the gift of Edward Hutchinson Robbins Lyman in memory of his mother, Anne Jean Lyman, comprises nine greenhouses illustrating the vegetation of different climates, together with physiological and horticultural laboratories. Adjoining is the BOTANIC GARDEN designed for horticultural study, with sections to illustrate plant classification and habits. Arranged about the college grounds are smaller gardens and numerous varieties of native and imported trees and shrubs. A research greenhouse for the study of *Datura* genetics was completed in 1952 as part of the Genetics Experiment Station.

THE ALUMNAE GYMNASIUM, given by the alumnae and their friends in 1891, contains a large floor for basketball, badminton, and tennis backboard, as well as two bowling alleys and four squash courts.

THE SCOTT GYMNASIUM was named in honor of Col. Walter Scott. It contains a large floor used for volleyball, basketball, and fencing, a room for dance, two smaller gymnasiums for group gymnastics, a graduate student classroom and library, a swimming pool 75 feet by 23 feet, an undergraduate lounge, and department offices.

GILL HALL is used by the Department of Education and Child Study for the Smith College Day School. In addition to the classrooms there is an assembly hall seating 170. Adjoining is a large playground.

THE ELISABETH MORROW MORGAN NURSERY SCHOOL, acquired through the bequest of Mrs Morgan of the Class of 1925, occupies a site adjoining the Smith College Day School.

GENERAL INFORMATION

The clinical offices of the Health Service are located in GATEWAY HOUSE.

THE ELIZABETH MASON INFIRMARY was opened in 1919. Its name commemorates Elizabeth Mason Howland, a graduate of the Class of 1904 and a daughter of Frank H. Mason whose gift completed the fund raised by the Alumnae Association. The Florence Gilman Pavilion, added while Smith was host to the Naval Officers' Training School, was enlarged and completed in 1950-51. The result is an attractive, well-equipped, fireproof Infirmary with a normal capacity of sixty patients which could be increased in emergencies to nearly twice that number.

THE ALUMNAE HOUSE, presented to the College by the Alumnae Association in 1938, contains offices for the Association staff, rooms for the use of the alumnae and the college, including a conference room seating 300.

DAVIS STUDENT CENTER, a newly converted recreation building for student use, contains a food shop, lounge, ballroom, and committee rooms for student organizations. It was named by the students in honor of President Davis.

THE RECREATION FIELDS, over thirty acres in extent, including the Allen Field, the gift of Frank Gates Allen, and the New Athletic Field, afford opportunities for such sports as hockey, soccer, baseball, lacrosse, tennis, archery, volleyball, practice golf. A short distance away are the Riding Stables. The Field House was built on the new Athletic Field in the summer of 1939 with funds given by the classes of 1938 and 1939, the undergraduates, the Athletic Association, and the Trustees. Besides storage space for athletic equipment and skates and skis, it contains a lounge, a kitchenette, a small meeting room, and dressing rooms. The Boathouse on Paradise Pond has accommodations for canoes, rowboats, and rowing machines. In the Crew House are eight rowing shells and a large recreation room.

THE RELIGIOUS CENTER was made available in the fall of 1952. It contains a comfortable living room and smaller rooms in which the religious groups on campus hold their meetings. The Chaplain's office is in this building.

THE COLLEGE HOUSES

The thirty-five dormitory units provide living accommodations for approximately twenty-one hundred students.

The Old Campus: Chapin, Dewey (together with Clark, a small house adjacent to it), Haven (together with Wesley), the Hopkins group (three contingent houses), Hubbard, Lawrence (cooperative), Morris, Park and Park Annex, Tenney (cooperative, for upperclassmen), Tyler, Wallace, Washburn (the Spanish House).

The Campus Northeast of Elm Street: Albright (cooperative), Baldwin, Capen and Capen Annex, Dawes (the French House, for upperclassmen), German (primarily for upperclassmen), Gillett, the Henshaw group (four contingent houses), Northrop, Parsons and Parsons Annex, Sessions, Talbot.

The Quadrangle Houses: Comstock, Cushing, Ellen Emerson, Franklin King, Gardiner, Jordan, Laura Scales, Martha Wilson, Morrow, Wilder.

The Graduate Houses: Fort Hill, Graduate (30 Belmont).

EXPENSES

TUITION AND RESIDENCE FEE	\$1,800.00
One half payable in advance of the beginning of each semester.	

PRELIMINARY PAYMENTS

<i>Registration for application for admission</i>	\$10.00
Not refunded or credited.	
<i>Deposit payable on or before June 5 preceding entrance</i>	\$50.00
Not refunded in case of withdrawal before entrance. Refunded after graduation. Also refunded to members of the three upper classes in case of withdrawal if notice in writing is filed with the Registrar prior to July 1 for the first semester, or prior to December 1 for the second semester.	

OTHER FEES AND CHARGES

<i>Infirmary charge per day</i>	\$6.00
Each student may have Infirmary care for six days each year without charge, but no more than two free days may be used for any one illness. The usual charges will be made for special nursing care and for services of physicians or specialists from outside the College.	

Fees for courses in practical music

Vocal or instrumental, for the college year:

One hour lesson a week	\$150.00
One half-hour lesson and two class hours	100.00
One additional half-hour lesson taken for extra credit	75.00
Courses in ensemble when given individually	50.00
Use of practice room and a college instrument	15.00
Use of practice room only, one hour daily	7.50
Use of practice organs in John M. Greene Hall, one hour daily	35.00

Fees for classes in riding

Freshmen

Sophomores

Fall term	\$36.50	\$54.75
Winter term	40.00	40.00
Spring term	32.50	48.75
Fall and spring terms if the entire fee is paid in the fall	59.00	93.50

Materials for courses in technical art at cost

GRADUATION FEE	\$15.00
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ESTIMATED ADDITIONAL EXPENSES

Books each year, approximately	\$75.00
Subscriptions and dues, student activities	25.00
Gymnasium outfit for physical education	22.85
Recreation and incidentals	from \$100 to \$150

SCHOLARSHIPS & FINANCIAL AID

SCHOLARSHIPS

For students of marked ability who are unable to meet their full expenses, the College offers tuition scholarships ranging from \$250 to \$900, ten regional scholarships ranging from \$600 to \$1600, and a limited number of residence scholarships each year. These scholarships are made possible through endowed funds given to the College for scholarship purposes, by an annual appropriation from general income, and by annual scholarship gifts from alumnae clubs and from other organizations.

All scholarships are awarded on the basis of high academic standing, personal qualifications, and financial need. They are given for one year only but may be renewed. Applications from entering students should be sent to the Director of Scholarships and Student Aid by March 1.

Tuition scholarships are granted at the discretion of the Trustees to undergraduates who have been residents of Northampton or of Hatfield for five years before the date of their admission to college, provided they are able to satisfy the full requirements of admission; this grant is continued through their college course provided they maintain diploma grade, conform to the regulations of the College, and continue to be residents of Northampton or of Hatfield.

The College awards fifteen scholarships in music each year.

Two tuition scholarships for use at seaside laboratories are granted by the College to students who show marked proficiency in the Departments of Zoology and Botany.

Endowment funds given to the College for scholarship aid are listed on pages 153-158.

FIRST GROUP SCHOLARSHIPS

The following scholarships are awarded to students of highest academic standing:

The Neilson Scholarships. Not more than fifteen scholarships, created by the Board of Trustees in honor of President William Allan Neilson on the completion of fifteen years of his administration, are awarded annually to students in the first group of scholars in the three upper classes.

The Dwight W. Morrow Scholarships. Ten scholarships are awarded annually to seniors in the first group of scholars.

The William A. Neilson Scholarship. This provides full tuition for a student in the first group.

The Sophia Smith Scholarships. These scholarships are awarded without stipend to members of the three upper classes whose standing entitles them to a place among the first group of scholars.

RESIDENCE SCHOLARSHIPS

Residence scholarships are awarded in three cooperative houses. Entering students desiring rooms in one of these houses should make special application to

SCHOLARSHIPS

the Director of Scholarships and Student Aid not later than March 1 of the year when admission is desired. Upperclass students apply for rooms in person at a time specified in the *Bulletin*.

Lawrence House and Albright House offer opportunity to one hundred and twenty-five students to reduce their living expenses. Board and room may be had in these houses for \$650 for the college year. Each student is expected to give approximately an hour a day to the work of the house in addition to the care of her own room.

Tenney House, originally established as the gift of Mrs Mary A. Tenney, is open to members of the three upper classes. In this house the students cooperate in the purchase of food and in the duties of housekeeping. The cost of a room in Tenney House is \$200 for the year; current prices determine the cost of board.

In memory of Mrs Tenney, ten scholarships have been established known as the Tenney Residence Scholarships. These consist of \$100 each to be applied toward residence in any college house. They are awarded to students of approved character and scholarship in the three upper classes upon the recommendation of a committee consisting of Miss Mensel and Miss Lincoln.

SELF-HELP

The College undertakes general supervision of the remunerative work done by undergraduates. Students wishing any kind of employment during the college year should register with the Director of Scholarships and Student Aid. Only a limited amount of work is available, most of which is given to students of the three upper classes.

LOANS

The Smith Students' Aid Society, Inc., organized in 1897, offers to the extent of its means loans of varying amounts to students of approved scholarship and character from the three upper classes. Loans granted shall become due as follows: ten per cent on May 1 of the first year following that in which the borrower's class graduated from Smith College; thirty per cent one year later; and sixty per cent two years later. Interest at six per cent shall begin to run after the said maturity dates. Applications for loans may be made to Miss Eleanor T. Lincoln, 54 Prospect Street, Northampton. Contributions to the work of this Society may be sent to its treasurer, Miss Emma B. Proctor, College Hall, Northampton.

FELLOWSHIPS

The announcement of fellowships awarded for graduate work including those open to students from foreign countries is in the *Bulletin of Graduate Studies*.

ENDOWED SCHOLARSHIPS & PRIZES

SCHOLARSHIP FUNDS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Charles Clinton Abbey	\$ 55,540.74
J. J. Albright	6,700.00
Susan Fuller Albright	10,000.00
Elizabeth Arden	10,000.00
Alma Hoegh Ayers	12,302.50
Franklin Baldwin	1,200.00
Bartol	72,713.80
Birney Clark Batcheller	500.00
Suzan R. Benedict	10,020.47
Mary Nichols Billings	5,000.00
Mildred Louer Bird	16,000.00
Morris A. Black	2,000.00
Carolyn Peck Boardman Memorial	5,165.00
Bodman	3,800.00
The President Burton Memorial	33,512.03
Jessica White Cabot	10,014.60
Jean Cahoon Memorial	10,000.00
Gibson Lamb Caldwell Memorial	9,400.00
John A. Callahan	7,440.81
James R. Campbell	1,009.97
Canadian	19,369.93
Bessie T. Capen	5,531.25
Helen Clarissa Gross Chandler	10,000.00
Elizabeth Marguerite Dixon Clark Memorial	17,000.00
Class of 1883 — in honor of Elizabeth Lawrence Clarke	9,801.00
Class of 1887	10,000.00
Class of 1897	32,978.82
Class of 1898	6,122.50
Class of 1901	4,556.50
Class of 1905	10,150.00
Class of 1926	450.77
Class of 1949	10,266.94
Class of 1950	10,112.78
Class of 1951	8,010.27
Class of 1952	7,903.04
Class of 1953	6,970.45
Sara Hunt Clough Memorial	1,000.00
Mildred E. Ford Cobb Memorial	23,000.00
Katharine Baylis Cochran	8,000.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
E. C. Converse	50,000.00
Mary M. Cook	5,000.00
Augusta E. Corbin	9,500.00
Helen Hodgman Craig Memorial	20,000.00
Charlotte Graves Cross	5,390.00
Lt. Robert Lamont Darrah Memorial	1,000.00
Virginia Winslow Davis	10,000.00
Paul Dudley Dean Memorial	4,080.00
Vivian Bubb Decker	1,000.00
Mary D. Dey	5,000.00
Anna N. Dice and John William Dice Memorial	2,000.00
Elizabeth Lind Dice	1,000.00
Elizabeth Lind Dice and John Dice Memorial	3,000.00
Eleanor Duckett and Mary Ellen Chase	10,000.00
Mary Carter Duncan	10,000.00
Elizabeth Edwards Memorial	5,000.00
Constance Elaine Memorial	5,000.00
Elizabeth S. Fisk Memorial	2,000.00
Ida E. Fisk Memorial	2,000.00
Marietta Miles Fisk Memorial	2,000.00
Florida	580.00
Elizabeth Fobes	1,000.00
Clara and Joseph F. Ford	5,500.00
Edith Forrest Memorial	28,623.54
Mary P. Fowler	15,000.00
Ruth Hawthorne French	12,000.00
Emily Frink	2,000.00
Fannie Furman Memorial	10,000.00
Eleanor N. Gaffield	10,000.00
Gamble	2,000.00
Gannett Memorial	2,000.00
Carrie L. W. and Marion Gary	12,437.23
Anne D. Geller	57,277.90
Gertrude Gladwin Memorial	10,476.00
Howard Rogers Clapp and Howard Rogers Gleason Memorial	25,165.00
Jessie S. R. Goldthwait	10,000.00
Elizabeth Firestone Graham	21,231.25
Mary Louise Brown Graham	10,000.00
Elizabeth Bancker Gribbel Memorial	12,000.00
Ellen Clarissa Gross	10,000.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Charlotte C. Gulliver Memorial	10,040.00
Julia H. and Mary Gulliver	9,528.48
Philip Hale	10,000.00
Elizabeth Deering Hanscom	16,153.69
Mary S. Harkness	10,000.00
Marion and S. Ralph Harlow	10,151.17
Helen H. Hills	21,250.00
Anna Laura Holbrook	14,508.56
Esther R. Holmes.	6,000.00
Ellen Holt	10,005.00
Charlotte Manning Hoover	5,050.42
Lucia Maria Houpt	2,500.00
Lillia Babbitt Hyde Foundation	30,000.00
William Bertram Imlach.	8,650.82
Florence Jackson Memorial	3,646.00
Ruth Eckhart Jarvis	10,500.00
Emily Harris Jones	10,000.00
Florence Hopwood Judd	6,267.50
Caroline E. Kilbon	200.00
Ruth de Young Kohler	12,510.00
Jessie Stevenson Kovalenko	5,000.00
Kresge Foundation	40,000.00
Mary Allison Lang Memorial	607.20
Mary Lanning Memorial	5,000.00
Lathrop Memorial	1,350.00
Latin American—Class of 1890	7,500.00
Caroline Saunders Lindeke	6,455.00
Agnes Linton	1,000.00
Alice and Florence Lord	5,023.64
Esther Lowenthal	9,610.00
Lyon Foundation	25,000.00
Jeannette Laws McCabe	28,656.25
Helen Roberts McCormick	10,800.00
Ethelyn McKinney	25,000.00
Barbara McRoy	88,300.79
Carolyn Weston McWilliams	1,000.00
Beatrice Austin Manning and John Henderson Manning	15,000.00
Maplewood Institute Memorial	5,000.00
Helen Ayer Marden	1,000.00
Dorothy R. Mendenhall	1,000.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Margaret Mitchell	1,662.00
Jean Morron	25,000.00
Dwight W. Morrow	100,000.00
Nellie Eddy Mudge	2,000.00
Miriam Myers Memorial	5,000.00
Ida A. Nathanson	1,500.00
Ruth Perry Neff	5,055.00
William A. Neilson	15,000.00
Alice Edgerton Parsons	5,000.00
Barbara Whitney Peck	10,000.00
Harriet and Gurdon Pellett Memorial	44,628.81
Elizabeth Bartlett Phillips	5,000.00
Isabel Pickering	37,810.11
Ellen Plimpton	7,002.50
Olive Higgins Prouty	37,566.25
Edith Nichols Putney Memorial	1,771.49
Orlana Ranney	11,933.88
Louise Cornell Rausch	10,293.80
Anne E. Rice	5,000.00
Dagmar M. Ross Memorial	20,000.00
Christine Rounds Memorial	6,000.00
Samuel Runner	5,000.00
Lucy J. Russell	1,000.00
Margaret Roberts Sanborn	5,305.00
SCADS	20,000.00
Benjamin and David Scharps	2,500.00
Alice Goodwin Schirmer	5,000.00
Laura Shedd Schweppe Memorial	20,000.00
Edith Scott	8,000.00
Sadie D. Scott	8,000.00
Emma E. Scranton	1,000.00
Seaver	16,000.00
St. Agatha — Emma Sebring	10,000.00
Edith Dudley Sheldon	1,500.00
Elsie Damon Simonds	67,575.00
Andrew C. Slater	4,000.00
Anna Margaret Sloan and Mary Sloan	16,807.78
Frances Grace Smith Scholarship	63,449.29
Louise Smith	51,585.51
Smith College Club of Akron	3,825.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Smith College Club of Chicago	22,500.00
Smith College Club of Cincinnati	16,873.47
Smith College Club of Cleveland	16,650.00
Smith College Club of Detroit	14,067.00
Smith College Club of Fitchburg	5,000.00
Smith College Club of Milwaukee	6,211.49
Smith College Club of New Haven	11,693.24
Smith College Club of New York	15,000.00
Smith College Club of the Oranges	14,156.75
Smith College Club of Oregon	2,205.76
Smith College Club of Philadelphia	10,623.95
Smith College Club of Pittsburgh	2,000.00
Smith College Club of Rhode Island	12,000.00
Smith College Club of Rochester	3,100.00
Smith College Club of Seattle	5,761.28
Smith College Club of Winchester	400.00
Special	2,000.00
Caroline Lounsbury Steele Memorial	2,913.00
Anne Straw, Class of 1948	20,000.00
Students	3,287.36
Otto Sussman	174,920.89
Emily Hitchcock Terry Memorial	3,000.00
Charles M. Thayer Memorial	3,000.00
Helen Rand Thayer	10,000.00
Julia Ball Thayer	6,000.00
Eva I. Titman	5,000.00
Roslyn Titman	5,000.00
Helen Ramsey Turtle Memorial	1,165.00
Lulu Morris Wadley Memorial	5,000.00
Rodney Wallace	10,000.00
Sophia Billings Wallace	5,000.00
Sophia Ingalls Wallace	5,000.00
Jane O'Neil Wallis Memorial	10,505.00
Mary Rankin Wardner Memorial	4,120.00
Mary Bird Wells Memorial	11,233.75
Westmoreland County (Pa.)	9,689.00
Julia Carolyn Weston	10,000.00
Margaret White Memorial	5,000.00
White Lodge	2,622.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Catharine Lasell Whitin	10,100.00
Hiram Whittington	10,000.00
Harriet J. Willard Memorial Scholarship	5,000.00
Mary E. Wilson	5,943.00
Wood	10,000.00
Ella Eames Wood	6,026.52
Katherine Sands Crispell Woods Memorial	5,343.75
Robert M. Woods Memorial	5,000.00
Josephine Clews Wrightson Memorial	21,500.00
Miscellaneous	13,625.60
Alumnae Association	25,525.00
Harriet Boyd Hawes	12,000.00
Agnes Hunt Memorial	1,000.00
Frances Grace Smith	20,000.00
Jean Fine Spahr	25,903.65
Sarah Watkins Wilder and Sarah Wheaton Whipple	10,837.34
Fanny Bullock Workman	30,000.00
TOTAL	\$2,741,344.83

PRIZE FUNDS

The *Alpha Awards* are made annually by a committee of the faculty for excellence in the fields of creative writing, dance, drama, technical art, practical music or composition.

The *Elizabeth Babcock Poetry Prize* fund of \$2500, established by Miss Edith L. Jarvis 1909 in memory of Elizabeth Babcock ex-1911. The income is to be awarded annually for the poem adjudged best by a committee appointed by the Department of English. The competition is open to all undergraduates except those who have already won the prize; the poem submitted may not have been printed previously.

The *Harriet Dey Barnum Memorial Prize* fund of \$300, founded by the Class of 1916, the income to be used for outstanding work in music.

The *Suzan Rose Benedict Prize* fund of \$1085.47, the income to be awarded at the discretion of the Department of Mathematics to a freshman or sophomore who has done outstanding work in differential and integral calculus, the decision being made by the Department.

The *Samuel Bowles Prize* fund of \$2002.69, the income to be awarded to a senior for the best thesis on a sociological or economic subject.

The *John Everett Brady Prize* fund of \$2000, the income of which is awarded for excellence in translating Latin prose and verse. A special examination is set in the spring.

The *Margaret Wemple Brigham Prize* fund of \$850, established in her memory by friends and associates of the Division of Laboratories and Research of the New York State Department of Health, the income to be awarded to a senior for excellence in bacteriology.

The *Amey Randall Brown Prize* fund of \$2000, given by Miss Mabel Brown 1887 in memory of her mother. The income is to be used as a prize for the best essay on a botanical subject.

The *Vera Lee Brown Prize* fund of \$1000. On recommendation of the Department of History the income is awarded for excellence in that subject to a senior majoring in history in the regular course.

The *Yvonne Sarah Bernhardt Buerger Prize* fund of \$5000, the income to be awarded to the undergraduate who has contributed most vitally to the dramatic activities of the College.

The *James Gardner Buttrick* fund of \$1000, given by Mrs Buttrick in fulfillment of her husband's wish, the income to be used for a prize for the best essay on a subject in the field of religion and Biblical literature suggested by a course in that Department and approved by the instructor.

The *Julia Harwood Caveno Prize* fund of \$2000, the income of which is given to an undergraduate for proficiency in Greek language and literature to be tested by an examination upon an assigned portion of Greek literature: in 1954, the *Odyssey*, Books 9 and 10; in 1955, Plato, *Meno*.

PRIZE FUNDS

The *Sidney S. Cohen Prize* fund of \$2500, the income to be awarded at the discretion of the Department of Economics.

The *Ethel Olin Corbin Prize* fund of \$1000, the income to be awarded to the undergraduate for the best original poem—preferably blank verse, sonnet, or ballad—or informal essay in English.

The *Dawes Prize* fund of \$1898.57, the income to be awarded for the best undergraduate work in political science.

The *Alice Hubbard Derby Prize* fund of \$2555.34, the bequest of Mr Henry R. Lang in memory of his wife, a member of the Class of 1885. The income is to be used for prizes awarded by the Classics Department to students of the Junior and Senior classes who have shown special proficiency in the study of Greek literature in the original in the year in which the awards are made.

The *Hazel L. Edgerly Prize* fund of \$500, founded in memory of Hazel Louise Edgerly 1917, the income to be awarded on the recommendation of the Department to a senior in honors in history for distinguished work in that subject.

The *Settie Lehman Fatman Prize* fund of \$5000, the income to be awarded for the best musical composition preferably in sonata form by a member of the Senior Class or a graduate student who is taking Music 42 or Special Studies in Composition.

The *Harriett R. Foote Prize* fund of \$500, the income of which is to be awarded to the outstanding student in botany, based on an examination record.

The *Henry Lewis Foote Memorial Prize* fund of \$500, given by his wife, Harriett Risley Foote 1886, the income to be awarded for excellence in classwork in Biblical courses.

The *Clara French Prize* fund of \$5000, founded by Mrs Mary E. W. French, the income to be given to that senior who has advanced farthest in the study of English language and literature.

The *Helen Kate Furness Prize* fund of \$1000, founded by Horace Howard Furness, the income of which is given for the best essay on a Shakespearean theme. There is no restriction on the length of the essays, but in general they are not to be shorter than 4000 nor longer than 10,000 words. The competition is open to all undergraduates. The subject for 1953-54 is, "Shakespeare's Final Plays in Relation to the Romantic Comedies of the Middle Period"; for 1954-55, "The Nature of the Problems in Shakespeare's 'Problem Comedies.' "

The *Sarah H. Hamilton Memorial Prize* fund of \$1250, given by her sister Mrs Julia H. Gleason, the income to be awarded for an essay on music.

The *Arthur Ellis Hamm Scholarship Prize* fund of \$5000, founded by Elizabeth Creevey Hamm 1905 in memory of her husband, Captain Arthur Ellis Hamm, the income to be awarded to a freshman on the basis of the year's record.

The *Frances A. Hause Memorial Prize* fund of \$1000, founded in memory of Frances A. Hause 1922, the income to be awarded to the senior who has majored in chemistry and has made the best record in that subject.

PRIZE FUNDS

The *Mary Augusta Jordan Prize*, consisting of a replica in bronze of the medal given to Miss Jordan in 1921 by the alumnae, is awarded by them through the prize committee of the English Department to a senior for the most original and unusual piece of literary work in prose or verse composed by her at any period of her undergraduate course in Smith College. No restriction is made as to subject, style, or length; and the composition may have formed part of the requirements of college study or have been already printed.

The *Florence Corliss Lamont Prize*, a medal to be awarded for work in philosophy.

The *Emogene Mahony Memorial Prize* fund of \$500, founded by Miss Ethel Haskell Bradley 1901, the income to be given for proficiency in organ.

The *Samuel Michelman Memorial Prize* fund of \$500, given in his memory by his wife, the income to be awarded to a senior from Northampton or Hatfield who has maintained a distinguished academic record and contributed to the life of the College.

The *Mrs Montagu Prize* fund of \$400, founded by Mrs Abba Louisa Goold Woolson in honor of Mrs Elizabeth Montagu, the income to be awarded for the best essay on the women of Dr Johnson's time.

The *Victoria Louise Schrager Prize* fund of \$2000, given in her memory by her family and Miss Marjorie Hope Nicolson, the income to be awarded annually to a senior who has maintained a distinguished academic record and has also taken an important part in student activities.

The *Andrew C. Slater Prize* fund of \$1000, the income of which is awarded to an undergraduate for excellence in debate.

The *Frank A. Waterman Prize* fund of \$335, the income to be awarded to a senior who has done excellent work in physics.

1953 Awards

PRIZES

Alpha Awards: art, Marcia Joan Lontz 1953; creative writing, Margaret Lulu Shook 1953; dance, Rita Elene Parr 1953; music, Edith Karen Duke 1953; theatre, Joan Victoria Ford 1953

American Association of University Women Award: Judith Plessner 1953

Elizabeth Babcock Poetry Prize: Sylvia Plath 1954

Harriet Dey Barnum Memorial Prize: Patricia Joan Dworski 1953

Suzan Rose Benedict Prize: Kristin Lie Miller 1955

Samuel Bowles Prize: Florence Lacey McKee 1953, Diana Taylor Waugh 1953

John Everett Brady Prize: Carol Gertrude Brown 1955, Gail Ann Buckley 1955

Margaret Wemple Brigham Prize: Maria Stamatios Canellakis 1953

Vera Lee Brown Prize: Sylvia Carstens 1953

Yvonne Sarah Bernhardt Buerger Prize: Judith Atwell 1953

James Gardner Buttrick Prize: Louise LaFar Giesey 1954

Julia Harwood Caverno Prize: Helen Garside 1956

Sidney S. Cohen Prize: Helen Jane Gwyn 1953, Florence Lacey McKee 1953

Ethel Olin Corbin Prize: Sylvia Plath 1954

Dawes Prize: Janet Macrae Welsh 1953

Hazel L. Edgerly Prize: Brenda Kurtz 1953

Settie Lehman Fatman Prize: Eunice Helmold graduate student

Henry Lewis Foote Memorial Prize: Joyce Kimball Johnson 1953

Clara French Prize: Ruth Mortimer 1953, Margaret Lulu Shook 1953

Sarah H. Hamilton Memorial Prize: Helen Marie Bilhorn 1954

Arthur Ellis Hamm Scholarship Prize: Josephine Ann Hopkins 1956

Frances A. Hause Memorial Prize: Nancy Rice Hale 1953

Mary Augusta Jordan Prize: Ruth Mortimer 1953

Florence Corliss Lamont Medal: Lelah Dushkin 1953

Emogene Mahony Memorial Prize: Jeanie Clark 1953

Samuel Michelman Memorial Prize: Edith Karen Duke 1953

Guthrie McClintic-Katherine Cornell Prize: Marlene De Kay 1954

Victoria Louise Schrager Prize: Margaret Wickham Tooker 1953

Sigma Xi Plaque: Lawrence House

Andrew C. Slater Prize: Maureen Lee Buckley 1954, Grail Stevenson Hanford 1954

Frank A. Waterman Prize: Diana Haynes 1953, Nancy Jane Scott 1953

FIRST GROUP SCHOLARS*

CLASS OF 1954

Barbara Carol Antell	Roberta Sara Horne
Yolanda Marie Astarita	Judith Ann Howard
Helen Marie Bilhorn	Eleanor Jacobs
Marie Truesdale Bissell	Eleanor Wood Johnston
Iris Mae Bowen	Margaret Stern Lehman Cohen
Elizabeth Bradley	Joan Deborah Macdonald
Marlene Helene Brey	Anne Dyer Murphy
Maureen Lee Buckley	Jane Todd Nichols
Ann Noel Cannon	Garyfalia Nicolaou
Enid Lois Epstein	Sylvia Plath
Anna Marion Farquhar	Adele Byrne Prescott
Shirley Dawson Gersumky	Sarah Anne Schaffer
Louise LaFar Giesey	Anne Craddock Schoellkopf
Minerva Heller	Judith Schupper
Nancy Jean Hirth	Barbara Caro Silver
June Hopps	Barbara Elizabeth Southard
	Paula Steward

CLASS OF 1955

Martha Clayton	Kristin Lie Miller
Wanda Corrado	Marianne Lore Mosbacher
Sandra Arlene Dunn	Nadine Olga Neuburg
Anne Lois Elmendorf	Anne Scott
Linda Sue Frankel	Julia May Sharp
Mary Frances McBride	Nancy Strassburger
Sallie Mae McFague	Harriett Ann Ullery

CLASS OF 1956

Susan Vance Akers	Lisa Telford Frederick
Elizabeth Morris Cheston	Ursula Frances Maria Gutmann
Katharine Fitzhugh Daniels	Josephine Ann Hopkins
Muriel Ruth DuBrow	Sarah Noble Schemm
Carol Sue Durham	Robin Kay Simon
Joyce Anne Esersky	Sara Leslie Stone
Nancy Frambach	Ann Zeitfuchs

*These include the Dwight W. Morrow, the Neilson, the William Allan Neilson, and the Sophia Smith scholars, as well as the Miami Smith Club Scholar and the New York Smith Club Scholar.

1953 AWARDS

DEGREES

A.B.

Margaret Laird Ackerman
Angela Jeanne Ackley
Janet Clare Albrecht
Ruth Elizabeth Allen
Rosemary Florence Allsman
Eleanor Reed Alter
Jeanne Ann Ames
Marjorie Andrew
Sophia Louise Ansell
Eleanor Hudson Ashley
Judith Atwell
Natalie Stone Austin
Barbara Merriman Backes
*Joyce Ellen Backus
Elizabeth Nanette Bannen
Anne-Bolling Barber
Sandra Hilda Baron
Marjorie Beach
*Yvonne Beachley (Wells)
Joan Ruth Becker
Joan Behre
Ruth Ann Belding (Munro)
Anne Borrowdale Bennett
Judith Ann Berenson
Mary Chase Berger
Gertrud Carol Berkowitz
Coralie Zella Berman
Marjorie Ann Bernhard
Judith Sprague Bishop
Harriet Hall Blanton
Elizabeth Bowles Block
Joan Betty Bloom
Martha Joan Bodel
Mary Bolmar
Alice Louise Bolster
Consuelo Noel Borromeo
Marcia Chase Bourn

Betty Lou Bowry
Elizabeth Joyce Bracher
Clare Elizabeth Brandi
Mary Elinor Brennen
Myrna Bernice Brody
Ann Letcher Bronaugh
Penelope Joan Bronson
Anne Elizabeth Brooks
Isabel Anne King Brown
Jeanne Carolyn Brown
Martha Ingraham Brownlow
Claire Buckley
Suthira Bulakul
Flora Macdonald Burger
Barbara Brien Burns
Hazel Ward Burton
Mary Alice Busch
*Mary Jane Butler
Mary Byrd
Elizabeth Marie Cahill
Mary Louise Campbell
Catherine Ann Candler
Anabel Carey
Mary Elizabeth Carey
Mildred Nahum Carlson
Sylvia Carstens
Françoise Isabelle Carter
Barbara Jane Case
Jane Connely Chace
Marilyn Chapin
Mary Helen Chappell
Alice Cornelia Chapple
Rachel Constance Charpentier
Pamela Cheatham
Lucy Jean Chilgren
Jeanie Clark
Leila Downs Clark

*Elected to Phi Beta Kappa

†Elected to Sigma Xi

1953 AWARDS

Mary Margaret Clark
 Patricia Ann Clark
 Nancy Jeanne Clarke
 Ilene Janis Cohen
 *Joan Golda Collier
 Anne Louise Cooney
 Jane Cowen
 Linda Rose Cross
 Ann Crosskey
 Lenore Crouter
 Constance Eudora Crump
 Phyllis Culbertson
 Carolyn Cushman
 Susan Darrah
 Alice Gail Daukas
 Ann Talcott Davis
 Nancy Dawson-Smith
 *Lucy Larcom Dayton (Deephouse)
 Laetitia Johanna Elisabeth de Kanter
 Mary Gross Denison
 Rose Elaine Desautels
 *Janine Marie-Béatrice Devys
 Muriel Laurette Dobson
 Barbara Anne Dodds
 Patrice Marie Doherty
 Nancy Ann Dragon
 Mary McClave Drake (McFeely)
 Joan Edwards Du Bois
 *Edith Karen Duke
 Elizabeth Jane Easton
 Mary Emily Eckart
 Mary Lawrence Elliman
 Catharine Hughes Evans
 Elizabeth Ann Everett
 Anne Burr Fairchild
 Judith Lee Feldman
 Barbara Chase Fenton
 Emily Tobias Figg (Dalla Mura)
 Lillian Lin Choy Fong
 Barbara Gow Fontaine
 Joan Victoria Ford
 Alice Caroline Fox

Madeleine Franckel
 Alice Silver Freeman (Share)
 Elena Freyre de Andrade
 Joan Ford Fullerton
 Mary Jean Galvin
 Joan Marie Gamble
 †Clara Souther Garth
 Margaret Murray Gatch
 Barbara Ann Gentil
 Sondra Gerdau
 Anne Katharine Gibson
 Joan Massie Gildea
 Diane Harold Gilmore
 Margaret Edna Girton
 Mary Louise Givens
 Helena Deirdre Glassey (Barnes)
 Hannah Ruth Glauber (Flegenheimer)
 Joan Marcia Godwin
 Betty Alden Goldsmith
 Judith Ruth Goldstein
 Gladys Paula Gordon
 Constance Virginia Gould
 Janet Ann Grabosky
 Fay Catherine Graning
 Dorothy Anne Griffin
 Desire Denison Griffiths
 Helen Josephine Grimm
 Ruth Gross
 Lillian Freya Gsell
 Carola Guinzburg
 Helen Jane Gwyn
 Marcia Gygli
 Nancy Rice Hale
 Judith Reid Hall
 Mary Anderson Hamill
 Ann Schuyler Hamlen
 Beatrice Brumder Hansen
 Jane Harris
 Marjorie Doris Harris
 Adelaide Brennan Hart
 *Joan Thomas Hauser
 Gabriella Haws

1953 AWARDS

Nina Heald	Roberta Joy Klibanoff
Elizabeth Heard	Margaret Ann Knecht
Joan Tamara Heller	Jean Neville Knight
Lisa Hendrian	Sarah Borwell Knight
Margaret Frances Hennessy	Claire Lillian Koplin
Dorothy Jean Hill	Judith Sally Lager
Judith Worthington Hill	Baréa Lamb
Carol Hitchcock	Agnes Hadley Lammert
Jorie Woodward Hoag	*Nancy Anderson Lane
Martha Louise Hoge	Katharine Lee Lange
Lola-Claire Holman	Elizabeth Ruth Lauffer
Georgiana Susan Homer	Susan Lawrence
Helen Olivia Hood	Joan Ellen Lebowitz
Stuart Hooper	Corinne Snowden Lee
*Nancy Margaret Hopfenbeck	Seok-Chee Lee
Charlotte Hathaway Hough	Shirley Ann Lemon
Mary Joan Houk	Charlene Elizabeth Lewis
Joan Alexandra Houston	Helen Lichtman
Clarinda Beardsley Huntington	Ruth Marilyn Lieder
Hester Mary Huntington	Priscilla Sailer Litchfield
Phyllis Knowlton Hyde	Mary Joe Loehr
Margery Claire Hyland	Joan Douglas Longbottom
Christina Isabel Janson	Mary Shearer Loudon
Elizabeth Anne Jaqua	Bernice Sui Chun Low
Barbara Lee Johnson	Lorna Crocker Luitwieler
Caroline Lovell Johnson	Susan Baily Lynn
Faith Johnson	Beverly Ann Lyon
Grace Phillips Johnson	Sabina Elizabeth McClure
Jane Walsh Johnson	Constance Kathryn McCown
Elizabeth Fairbrother Jones	Elizabeth Jean McCrary
Elizabeth Townsend Jones	Nancy Anne McCutcheon
Julie Anthony Jones	Ann Roberts McGourty
Nancy Bentley Kadow (Glenn)	Jane Frances McHugh
Lysbeth Kaye	Catherine Patricia McIntire
Nancy Gene Keck	Emily Sellstrom McKnight
Mary Louise Keegan	Mary Alice McLean
Lucy Keith	Nancy Ann McNamara
Maryanna Lathrop Kennedy	Joan MacRae
Priscilla Ann Ketchell	Mary Angela Maher
Jacqueline Paulina Kilbourne	*Nancy Claire Major
Janet Alva Kimmel (Kinnier)	Lore Brigitte Mamlok
Marjorie Ruth King	Helen Grace Mantsavinos

1953 AWARDS

Virginia Maria Marchese
 Susan Marcy
 Elinor Castle Massie (Stalford)
 Joan Sterling Mathews
 Josephine Apphia Matsen
 Jane Greil Mayer
 Barbara Alice Maynard
 Nancy Coe Maze
 Shirley Rose Mellion
 Helen Schilling Merkel
 Barbara Louise Merrill
 Joan Lawrence Miller
 Judith Miller
 Marilyn Ann Mirkin
 Lydia Moffat
 Terrell Moreland
 Mary Frances Morrison
 Margaret Jane Morse
 *Mereth Ellenor Mueller
 Gail Beckley Munson
 Jane Alice Murphy
 Polly Sears Myers
 Nancy Neff
 Joanne Nelson
 Barbara Harriet Nielsen
 Kathrine Margaret Ockenden
 Rosemary O'Connell
 Dolores Irene Oppenheim
 Louise Page Oxnard
 Susan Kondolf Palmer
 Margaret Louise Pappi
 Evi Pari (Wichman)
 Barbara Seaton Parker
 Phyllis Gayle Penney
 Carol Rick Perkins
 Usbeck Peterson
 Anne Baylor Phelan
 Mary Bass Pierce
 Mary-Elizabeth Helen Pitlik (Kruid-
 enier)
 Grace Jeanne Pohlmann
 Doris Josephine Polian

Paula Lou Polk
 Joan Dorothy Poriss
 Sally Anne Price
 Helene Grace Pringle
 *Ruth Helen Quigley
 Joan Esther Rabinowe
 Susanne Randolph
 Patricia Ellen Ray
 Jean Lennox Reeve
 Mary Kathryn Rehfeld
 Dorothy Elizabeth Reynolds
 Mary Katherine Ribble
 Mary Alice Richardson
 Jean Richmond
 Rosamonde Riddle
 Mary Elizabeth Riggs (Killhour)
 Jane Roberts
 Virginia Robinson
 Ann Roesing
 Priscilla Alden Roessle
 Amanda Sophronia Rogers
 Nancy Lee Rohrer
 Claire Pearl Rotter
 Barbara Lee Rubenstein
 Ann Elisabeth Safford
 Sheila Katherine St. Cyr
 Beatrice Marquand Sanderson
 (Alexander)
 Marilyn June Savely
 Carol Rottman Scharmett
 Frances Charlotte Schell
 Katrina Louise Schmidt
 Edwina Carolyn Schock
 Sally Joan Schwarzkopf
 Elizabeth Patterson Scott
 Joan Elizabeth Scott
 Margaret Louise Scott
 Sarah Ann Scott
 Sondra Davidson Scott
 Carter Elaine Sellwood
 Beverly Ann Sender (Lawrence)
 Sarah Fisher Sessions

1953 AWARDS

Joanne Camille Shartle	Suzanne Embry Thompson
Paula Joanne Shiff	Joan Day Tichnor
Sally Shore (Littlefield)	Florence Caroline Treadwell
Cecily Janice Silbert	Annie Laurie Valentine
Lois Betty Sitrin	Anne Colby Vanderbilt
Abigail Alden Smith	Elsie French Vanderbilt
Ann Fairbank Smith	Beverly Ann Vigneault
Anne Dexter Smith	Christine von Wedemeyer
Barbara Putnam Smith	Carol Fern Wagner
Julia Stockwell Smith	Frances Norton Wakeman
Mary Louise Smith	Sarah Jane Wallace
Emma-Marie Snedeker	Suzanne Wallworth
Barbro Kristina Soderberg	Gayle Walter
Jane Clinton Speicher	Ina Marlene Walters
Patricia Spence	Ann Virginia Watson
Sally Ann Spence	*Patricia Weed
Phoebe Anne Sproule	Ann Wellington
Harriet Alice Squire	Alice Caroline Wells
Holly Stair	Doris Elizabeth Wells
Elinor Miriam Stein	Sallie Ann Wemple
Anita Ellen Steinberg	Gwynfa Viola Whelden
Janet Stern	Ellen Martin Whitaker
Marian Sternlieb	Frances Yvonne White
Anne Stevens	Susan Dorothy White
Harriet Duncan Stewart	Nancy Grace Whitehouse
Mary Ann Stitzel (Alloway)	Elizabeth Whitelaw
Joyce Ellen Stocklan (Goldberg)	Mary-Jane Whitney (Sprague)
Ann Louise Stoddart	Sylvia Wilder
Madelyn Anne Streeter	Deborah Dewey Williams
*Marilyn Joy Sutton	Eda Carter Williams
Jane Sweet	Mary Lillian Williams
Sigrid Dumas Taillon	Deirdre Northrup Winn
Ann Taylor	Marie Yates
Anne Upshur Taylor	Alice Miles York
Edith May Taylor	Carolyn Betty Younglove
Julia Eve Tessier	Peggy Zimmer

A.B. AS OF THE CLASS OF 1951

*Dorothy Elizabeth Wilson

A.B. AS OF THE CLASS OF 1952

Mary Davis

Alice Jane Goddard

Olivia Peggy Henry

Nancy Elizabeth Hobart (Holden)

Martha Muirhead

Barbara Jean Swenson

Cum laude

Meredith Stampfer Chaffin (McKittrick) (Government)

HONORS

Cum laude

Margaret Steen Allyn (Government)

Eleanor Erving Ames (English)

*Joan Lois Atkins (Sociology)

Marilyn Jane Babcock (English)

Joan Clark (Government)

Virginia Vance Davidson (Religion)

Barbara Ann Davies (History)

Katharine Billings Davies (History)

Emöke Edith de Papp (English)

Mary Odell Duff (Government)

Frances Elk (Economics)

Diana Fink (Government)

Joyce Anne Finley (Government)

Judy Naomi Goldsmith (History)

Leba Sydney Gross (Sociology)

Virginia Tolar Henry (Religion)

Nancy Boakes Knoblock (Government)

Cynthia Edith Olsen (English)

*Rita Elene Parr (Theatre)

Ann Dyer Rickenbaugh (English)

Laura Francine Stelmak (Government)

Barbara Bruce Stevens (Government)

Helen Marcelle Thiébaux (English)

*Joan Helene Throckmorton (Dawson) (English)

Ann Trowbridge (Religion)

Frances Moore Upshur (English)

Lora Frances Webster (English)

Blossom Joy Willinger (English)

Ruth Rehner Wolff (English)

Helene Louise Zak (Government)

1953 AWARDS

Magna cum laude

- † *Mary Agnes Bonneville (Zoology)
- *Ruth Cardwell Bower (Government)
- †Averill Louise Brockelman (Geology)
- †Maria Stamatios Canellakis (Bacteriology)
- † *Patricia Joyce Daly (Premedical)
 - Marcia Damon (English)
 - Barbara Adele Davis (Government)
 - Laura Secrétan Dumper (History)
- *Lelah Dushkin (Philosophy)
- *Patricia Joan Dworski (Music)
- †Alice Ann Frum (Psychology)
- Judith Helen Goldberg (Art)
- *Katherine Anne Harris (Spanish)
- †Diana Haynes (Physics)
 - Joyce Kimball Johnson (Religion)
- *Brenda Kurtz (History)
- *Barbara Anne Levinson (Government)
- *Marcia Joan Lontz (English)
 - Florence Lacey McKee (Economics)
- *Patricia Anne Moore (French)
- *Judith Plesser (Government)
- † *Nancy Jane Scott (Physics)
- † *Hélène Enid Steinman (Mathematics)
 - *Diana Maude Taylor (Wagh) (Sociology)
 - *Greta Waldinger (Government)
 - *Janet Macrae Welsh (Government)
- † *Margaret Anne Wickham (Tooker) (Psychology)

Summa cum laude

- *Celia Fisher Allison (Religion)
- *Helen Perry Bryan (English)
- † *Rose Althea Church (Premedical)
- *Judith Pearl Feldbaum (Spanish)
- *Ruth Mortimer (English)
- *Margaret Lulu Shook (English)
- *Grace Holt Woodbury (Art)

CERTIFICATE OF GRADUATE STUDIES

Milagros Arrieta Cordero, A.B., Far Eastern University, Manila, 1951. English.
 Angélica Rosa Rolandelli, Profesora de Educación Física, Instituto Nacional de
 Educación Física, Buenos Aires, 1947. Physical Education.

M.S. IN PHY. ED.

Carmen Ferrer Adevosio, B.S.Ed., National Teachers College, Manila, 1949.
 Augusta Stuart Chapman, A.B., Hollins College, 1951.
 Caroline Smith Freeman, A.B., Sarah Lawrence College, 1951.
 Felisa Inés Rochon, A.B., University of Nebraska, 1951.
 Lucy May Smith, B.S.Ed., Tufts College, 1949.
 Jeanne Ellen Snodgrass, B.A., Ohio Wesleyan University, 1952.

ED.M.

Virginia Cheatham Bladen, A.B., Smith College, 1952.
 Irene Carroll Gulick, A.B., Smith College, 1951.
 Samineh Baghcheban Pirnazar, B.A., University of Teheran, 1948.
 Lilian Rica Romano, B.A., American University at Cairo, 1950; Certificate of Grad-
 uate Studies, Smith College, 1952.
 Hannah Jayne Ashby Ruyffelaere, B.S.Ed., University of Oklahoma, 1937.

A.M.

Carolyn Burger Abrahams, B.S., Pennsylvania State College, 1951. Chemistry.
 Joan Seger Dominick, A.B., Newberry College, 1951. Chemistry.
 Barbara Renate Fischer, A.B., Barnard College, 1951. English.
 Jewel Adler Gutman, A.B., Smith College, 1950. German.
 Dolores Horney, A.B., Brooklyn College, 1951. English.
 Grace Ruth Kerpen, A.B., Hunter College, 1952. English.
 Mary Gretchen Mathers, B.A., United College, University of Manitoba, 1951.
 French.
 Marjorie Anne Miller, A.B., University of Nebraska, 1952. Theatre.
 Josephine Alice O'Brien, A.B., Hunter College, 1952. English.
 Barbara Jane Schenck, B.S., Bates College, 1951. Geology and Geography. †
 Yao-nien Tsai, B.A., Saint John's University, Shanghai, 1942. Education and Child
 Study.
 Gladys Margaret Turner, A.B., Spelman College, 1951. English.
 Isabel Katharine Yelland, * A.B., Grinnell College, 1950. English.
 Genevieve Patricia Zito, A.B., Hunter College, 1952. History.

*As of 1952

†With Distinction

1953 AWARDS

Rosalind Pearl Roth, A.B. 1951 Smith College

Ida Miriam Rubinstein, A.B. 1934 Hunter College of the City of New York

Marcia Pearl Shapiro, A.B. 1951 Brooklyn College

Anna Pearl Silvers, B.A. 1951 Fisk University

Joan Cavanaugh Smith, B.A. 1950 Wellesley College

Marye Greenwood Smith-Spencer, ED.B. 1934 University of California at Los Angeles,
M.S.ED. 1951 City College of New York

Edith Ruth Spiegel, A.B. 1950 New York University

Sylvia Ann Stevens, A.B. 1949 Southern Methodist University

Bonnie Lee Strain, A.B. 1951 Radcliffe College

Marie Louise Degen Van Horn, A.B. 1935 Goucher College, A.M. 1942 Colorado
College

Marlene La Roe Welte, B.S. 1951 Sam Houston State Teachers College

Eleanore Marie Wiberg, A.B. 1950 University of Nebraska

Johnnie Upshaw Williams, A.B. 1942 Howard University

Smith College School for Social Work

THE STAFF

FLORENCE ROBERTS DAY, M.SC. (Soc. Admin.)	<i>Director</i>
ANNETTE GARRETT, A.M., M.S.S.	<i>Associate Director</i>
	<i>Social Casework</i>
SOPHIE T. CAMBRIA, PH.D.	<i>Editor of Smith College Studies in Social Work and Supervisor of Research</i>
ELIZABETH CLARK JOHNSON, S.B.	<i>Executive Secretary and Registrar</i>
FRANCES GERSTEN	<i>Secretarial Assistant</i>
DOROTHY S. LAVENE	<i>Secretarial Assistant</i>
ESTHER H. CLEMENCE, M.S.S.	<i>Supervisor of Field Work</i>
	<i>Social Casework</i>
MAURICE F. CONNERY, M.S.	<i>Supervisor of Research</i>
GRACE K. NICHOLLS, M.S.S.	<i>Supervisor of Field Work</i>
	<i>Social Casework</i>
NORMAN A. POLANSKY, PH.D.	<i>Supervisor of Social Research</i>
	<i>Group Work</i>
NANCY STAVER, M.S.S.	<i>Supervisor of Social Research</i>
KATHERINE B. BELL, A.M., M.S.S.	<i>Public Welfare</i>
LEONARD D. ERON, PH.D.	<i>Clinical Psychology</i>
YONATA L. FELDMAN, A.M.	<i>Supervision</i>
ALFRED J. KAHN, D.S.W.	<i>Research and Community Organization</i>
IRVING KAUFMAN, M.D.	<i>Psychiatry</i>
OTHILDA KRUG, M.D.	<i>Child Psychiatry</i>
JOHN C. LEONARD, M.D.	<i>Medicine</i>
GEORGE E. LODGEN, A.B., LL.B.	<i>Law</i>
JAMES MANN, M.D.	<i>Psychiatry</i>
ELIZABETH P. RICE, M.S.	<i>Social Aspects of Medicine</i>
HERMAN D. STEIN, M.S.	<i>Cultural Studies and Administration</i>
WILLIAM WITIERS, PH.D.	<i>Economics</i>

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

ORGANIZATION OF THE SCHOOL

The Smith College School for Social Work was organized in 1918 as a graduate school in which to prepare psychiatric social workers for the war emergency. During 1918 and 1919 an intensive course of theory and a period of supervised practice were given to those who were graduated. These at once found their places in hospitals and social agencies. It was soon recognized that an approach to problems of social maladjustment through an understanding of the personalities involved was valid for every form of social casework. The Smith School therefore continued after the war emergency as a graduate professional school of social work and became a charter member of the Council on Social Work Education.

The first decade of the growth of the School corresponded to the period when the mental hygiene movement was enlarging its scope to include not only the better care of cases of mental illness and mental defect, but prevention of delinquency and the development of child guidance clinics. Psychiatric social workers were eagerly sought for the casework staffs of hospitals and community clinics and to carry preventive mental hygiene into courts, schools, and the public services. Social casework is a professional service which requires scientific knowledge and disciplined skill. Competent practice calls for the exercise of judgment and discretion.

EDUCATIONAL PLAN

The educational plan of the Smith College School for Social Work is based on the premise that there is a basic core of knowledge and skill in social work which transcends the specializations. The educational program is so planned as to offer sound orientation in the broad aspects of social work and the development of professional competence in the practice of social casework. Graduates are prepared to hold casework positions in a wide variety of private and public agencies and to advance to supervisory and administrative responsibilities.

Classroom Instruction

Academic study is designed to provide such knowledge from the disciplines of medicine, psychiatry, psychology, law, and the social sciences as is required for the practice of social work. The courses in the methods of social casework integrate this factual knowledge and develop the principles and skills inherent in practice. Other courses in the broad field of social work cover theory and method in such areas as public welfare, child welfare, group work, administration, and community organization. Basic considerations in carrying on research in social casework are reviewed in a course that serves as an introduction for individual work on a thesis.

In order to carry out this educational policy the curriculum consists of a relatively few units of instruction covering basic areas rather than being broken up into many elective courses. For example, the basic course in public welfare aims to develop a sound comprehension of the scope and objectives of the field and to give a working knowledge of the varied individual programs on the federal, state, and local levels

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

as they operate to meet the total needs of individuals. In the same way the casework courses demonstrate the application of casework principles in family casework, child welfare, psychiatric social work, and medical social work.

Courses offered in any one term are planned as a sequence and to achieve a total integration. Emphasis is placed on the discussion rather than the lecture method of teaching in the endeavor to train for independent and resourceful thinking. The educational process is strengthened by the fact that all the students live together on the campus of Smith College during the summer session and thereby are encouraged in continuous group thinking, mutual criticism, and discussion of the problems in the field of social work.

Field Instruction

Field work is an integral part of the curriculum, and academic credit is given for it. Students are assigned to agencies in small groups for a long and continuous practice period. This enables the student to become a participating member of the agency and community, and further the development of a professional attitude and point of view. Responsible participation under guidance during the field work gives opportunity to develop competence and self-reliance in casework practice.

Thirty-five agencies in twenty cities are affiliated with the School. These are located in large urban centers such as Community Service Society in New York, Judge Baker Guidance Center in Boston, and in smaller communities, thereby providing contrasting experience in the two winter field placements. Students are placed under a supervisor who is highly qualified as practitioner and teacher. Members of the staff, administrators, consulting psychiatrists, and research specialists participate in the educational program. These factors assure good theoretical teaching as well as the acquisition of sound and skillful methodology.

Carefully selected and supervised reading is assigned to supplement and enrich the practice period in the field. In addition to individual instruction each agency is asked to offer a weekly seminar throughout the winter.

During the field work period thesis subjects are selected and worked on under the guidance of members of the school faculty. The preparation of a thesis is regarded as part of a student's training for a profession that looks to research for advancement of its theory and practice.

Continuous supervision from the School is maintained throughout the field work period by regular visits of faculty.

Curriculum

Plan A, the regular curriculum, covers three summer sessions in academic study on the Smith campus and two winter sessions in field work in agencies selected by and responsible to the School for the educational work.

Plan B covers two summer sessions of academic study at the School and an intervening winter session in field work. It is designed for students who have had ade-

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

quate graduate preparation or satisfactory experience in an approved casework agency.

Plan C admits persons for a single summer session. Full credit will be given toward the degree provided the student is accepted for readmission to complete the course within a period of two years.

The School *Catalogue* giving full details for the coming year will be sent upon request.

Degrees

The Trustees of Smith College, on the recommendation of the staff, grant the degree of Master of Social Science (M.S.S.) on the following conditions: (a) completion of the period of residence, namely, a minimum of five quarters of full-time work; (b) satisfactory completion of the courses required, unless exempted by examination when advanced work may be substituted; (c) satisfactory completion of a thesis.

Admission

The Smith College School for Social Work is open to women graduates of approved colleges who have completed at least twenty semester hours in the social and biological sciences. Inquiries and requests for applications for admission should be addressed to the Director, Smith College School for Social Work, Northampton.

Expenses

The fee for each summer session is \$350 which covers tuition, room, and board. For each winter session the fee is \$125.

During the periods of field work the students are personally responsible for their own maintenance and may not accept salaried positions.

Scholarships

Scholarship aid is available during the winter sessions. Certain state hospitals offer internships which cover all living expenses of students; field work agencies grant a number of scholarships to apply toward maintenance. Several stipends at \$1600 each are given by the National Institute of Mental Health for students in the second year.

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

Calendar 1954-56

First Session	June to September 1954
Second Session	September 1954 to June 1955
Third Session	June to September 1955
Fourth Session	September 1955 to June 1956
Fifth Session	June to September 1956

Seminars

The School offers a series of two-week seminars in July open to experienced social workers and limited to twenty-five members. The seminars are conducted on the discussion method under the leadership of outstanding practitioners.

PROGRAM OF ADVANCED STUDY

(Third Year)

This program of twelve months, July to July, is designed for experienced graduate caseworkers in preparation for practice, supervision, teaching, and administration. It is assumed that candidates undertaking this advanced curriculum will be preparing for positions of increased responsibility and leadership.

The program consists of formal course instruction, supervised clinical experience, and independent study. Seminars in casework and psychiatry are designed to improve the student's mastery of casework principles through a more thorough understanding of the dynamics of personality and social environment and of treatment methods. Seminars in teaching method and administrative process examine the educational and psychological principles involved. Agencies, clinics, and hospitals that are outstanding as teaching centers are used for field work.

The course is open to graduates of approved schools of social work who are well prepared in psychiatrically oriented casework, and who, following graduation, have had a minimum of three years of successful experience in a qualified casework agency.

The Board of Trustees of Smith College, upon the recommendation of the faculty, will grant a diploma to students who satisfactorily complete the course.

The Alumnae Association

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General Secretary Emeritus, MISS FLORENCE SNOW, 112 Washington Avenue, Northampton, Mass.

Editor-in-chief of the Alumnae Quarterly, MRS WILLIAM H. WRIGHT, Burleigh Road, Wilbraham, Mass.

Chairman of the Alumnae Fund, MRS REDMOND WHITE, 28 Boyles Street, Beverly, Mass.

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ESTHER GOULD, A.B.

RUTH SELDEN GRISWOLD, A.B.

EDITH NAOMI HILL, A.B., A.M. (hon.)

ELEANOR HOWARD

JOAN PATRICIA KRISTEK

HENRIETTE SEBRING, A.B.

HAZEL HOWARD TURNER

SONIA TUROMSHA

BEATRICE KATHERINE WYMAN

Associate Secretary

Managing Editor Alumnae Quarterly

Assistant

Alumnae Fund Secretary

Bursar

Honorary Editor Alumnae Quarterly

Assistant

Assistant

House Director of the Alumnae House

Assistant

Assistant

Assistant

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Phoenix, Mrs Everett Eberhard, 30 E. Colter Avenue

Tucson, Mrs C. Prior Pray, Box 874, R 2

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Peninsula, Mrs Ray Spear, 525 Crescent Avenue, San Mateo

San Diego County, Mrs Arthur Bell, 6758 Muirlands Drive, La Jolla

San Francisco, Mrs George Pfau, Jr., 2867 Green Street

Southern, Mrs Julius Jacoby, 430 S. Burnside Avenue, Los Angeles 36

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Montreal and Province of Quebec, Mrs G.A. Brakeley, 52 Rosemount Avenue, Westmount

Toronto, Mrs C. Dana Rouillard, 24 Roxborough Drive

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Mrs Seymour Wheelock, 170 Marion Street, Denver 3

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Darien—New Canaan, Mrs Louise F. Lindskog, 8 Meadowbrook Road, Darien

Eastern, Mrs William R. Taylor, Joshua Town Road, Old Lyme

Greenwich, Mrs Alan Burnham, 65 Fairfield Avenue

Hartford, Mrs Robert Tennant, 156 Walden Street, West Hartford 7

New Haven, Mrs Stanley R. Bennett, 5 Van Rose Drive, Hamden 14

Waterbury—Litchfield Hills, Mrs Jack Leon, South Kent

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Mrs Robert B. Rock, Wollaston Road, Wilmington

D.C., WASHINGTON

Mrs Paul C. Howard, 5001 Brookdale Road

ENGLAND

London, Mrs Edwin R. Boyd, Heatherhyll, Doonfoot, Ayr, Scotland

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Fort Lauderdale, Mrs Fred Nasbe, 33 S.E. Second Street

Jacksonville, Mrs Adams Mitchell, 568 Bishopsgate Lane

Miami, Miss Eleanor Town, 2200 N. Greenway Drive, Coral Gables

Sarasota, Mrs S.D. Boylston, 900 25th Street

West, Mrs Max D. Ulrich, 4926 Third Avenue S., St. Petersburg

FRANCE

Paris, Mrs Marcel DeGallaix, 20bis rue Boissière

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Atlanta, Mrs Benjamin M. Parker, Neely Farm, Norcross

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Mrs Samuel P. King, 3964 Old Pali Road, Honolulu

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North Shore, Mrs Gordon Canning, 2808 Sheridan Place, Evanston

North Side, Mrs John B. Ottman, 2504 Lakeview Avenue, Chicago

South Side, Mrs Richard Templeton, Jr., 5056 Woodlawn Avenue S., Chicago

West Suburban, Mrs Sampson Rogers, Jr., 735 N. East Avenue, Oak Park

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Indianapolis, Mrs John P. Collett, 3663 Spring Hollow Road

KENTUCKY

Mrs Spafford Ackerly, 407 Mockingbird Valley Road, Louisville

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Boston, Mrs Alfred H. Stafford, 50 Dwhinda Road, Waban

Boston League, Chairman, Mrs Harold D. Hodgkinson, 23 Chestnut Street,
Boston 8

Cambridge, Miss Elisabeth Deane, 32 Wendell Street

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Greater Lowell, Miss Eleanor Donahoe, 48 Wannalancit Street, Lowell

Hampshire County, Mrs John D. Davies, 56 Ward Avenue, Northampton

Holyoke, Mrs Joseph C. Allen, 250 Pleasant Street

Lexington, Mrs Otis N. Minot, 22 Eliot Road

Merrimack Valley, Mrs O.R. Smith, 252 High Street, Newburyport

Newton, Mrs Richard H. Lee, 206 Church Street

North Shore, Mrs Francis M. Babson, 10 Summit Road, Marblehead

Southeastern, Miss Roberta Hill, 163 Elm Street, New Bedford

South Shore, Mrs John C. Vosoff, 312 Forest Avenue, Cohasset

Springfield, Mrs Paul Craig, 33 Ellington Street, Longmeadow

Wellesley, Mrs James W. Thompson, 61 Woodcliff Road, Wellesley Hills 82

Winchester, Mrs Arthur T. Hertig, 21 Everett Avenue

Worcester, Mrs Paul R. O'Connell, 34 Drury Lane

THE ALUMNAE ASSOCIATION

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Ann Arbor, Mrs Robert Pidd, 2801 Brockman Boulevard
Detroit, Mrs Allen Lomax, 17450 Maumee Road, Grosse Pointe 30
Grand Rapids, Mrs Fred D. Dunakin, 1647 Franklin Street S.E.

MINNESOTA

Minneapolis, Mrs E. Morton Holland, 1819 Mt. Curve Avenue
St. Paul, Mrs Robert B. Ridder, Jefferson Highway

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NEBRASKA

Omaha, Mrs William F. Ingraham, 3852 Dewey Avenue

NEW HAMPSHIRE

Mrs Roger G. Flynn, RFD 1, Concord

NEW JERSEY

Montclair, Mrs E. C. Johnston, 257 Ridgewood Avenue, Glen Ridge
Northern, Mrs Ray K. Kuhns, 38 Beech Road, Glen Rock
The Oranges, Mrs Frank Wakeley, 28 Plymouth Avenue, Maplewood
Princeton, Miss Florence Curran, 44 Nassau Street
Watchung Hills, Mrs John F. Harrison, 168 Beechwood Road, Summit

NEW YORK

Albany, Mrs Walter McD. Taylor, 352 State Street
Brooklyn, Mrs Elizabeth Couch, 681 Clarkson Avenue
Buffalo, Mrs Richard Wile, 141 Chatham Avenue
Long Island, Mrs Charles Mellor, Duck Pond Road, Locust Valley
New York, Mrs Harry R. Flory, 993 Park Avenue
(Clubhouse: Hotel Barclay, 111 E. 48th Street, New York City)
Queens Borough, Mrs Allyn B. Gray, 8740 Elmhurst Avenue, Elmhurst
Rochester, Mrs William B. Morse, 32 East Boulevard
Schenectady, Mrs Richard Lange, 1361 Lexington Avenue
Syracuse, Mrs H. G. Murray, 169 Durston Avenue
Taconic, Mrs Robert J. Agnew, Osborn Hill, Fishkill
Troy, Miss Eleanor Reid, Averill Park
Utica, Mrs P. Layton Turner, 1606 Sunset Avenue
Westchester, Mrs Cyrus H. Nathan, 7 Horseguard Lane, Scarsdale

OHIO

Akron, Mrs Sam DuPree, 1070 Merriman Road
Cincinnati, Mrs John Warrington, Camargo Club Drive
Cleveland, Mrs James W. Reichert, 23999 Lyman Boulevard

THE ALUMNAE ASSOCIATION

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Lakewood, Mrs Hannah K. Bortz, 15416 Lake Avenue
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Youngstown, Mrs Robert J. Renner, 405 Crandall Avenue

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Portland, Mrs Paul Ousley, 01710 S.W. Elysium Avenue

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Houston, Mrs Benjamin F. Thompson, 1 W. 11th Place
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James River, Mrs Richmond Gray, 113 Tuckahoe Boulevard, ¹/₂ Richmond

WASHINGTON

Seattle, Mrs Charles W. Buehler, 3617 Hunt's Point Road, Bellevue

WEST VIRGINIA

Southern, Mrs J.T. Moore, Jr., 1617 Ridgeview Drive, Charleston

WISCONSIN

Mrs Richard W. Cutler, 225 E. Bradley Road, Milwaukee¹
Madison, Mrs Robert Michaels, 901 Columbia Road

Summary of Students in College

1953-1954

FRESHMAN CLASS (1957)	613
SOPHOMORE CLASS (1956)	589
Out of residence	1
JUNIOR CLASS (1955)	492
France	.33
Guest students	7
Geneva	.35
Guest students	6
Italy	9
Guest students	3
Spain	8
Guest students	3
Toronto	1
SENIOR CLASS (1954)	463
Out of residence	11
TOTAL UNDERGRADUATES	2157
GRADUATE STUDENTS	87
NONCOLLEGIATE STUDENTS	23
NONRESIDENT FELLOWS AND SCHOLARS	6
TOTAL	2273

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

	Class of 1957	Class of 1956	Class of 1955	Class of 1954	Graduate Students
Alabama	0	0	3	0	0
Arizona	1	0	1	1	0
California	12	3	7	8	0
Colorado	4	4	8	5	0
Connecticut	59	61	37	48	0
Delaware	4	4	3	3	0
District of Columbia	10	5	12	10	0
Florida	3	2	3	7	2
Georgia	2	2	2	0	1
Illinois	38	31	22	17	2
Indiana	2	4	6	3	1
Iowa	4	0	2	1	0
Kansas	4	0	0	1	0
Kentucky	3	6	3	0	0
Louisiana	1	0	1	1	0
Maine	5	2	1	7	2
Maryland	2	7	5	4	1
Massachusetts	90	91	72	66	30
Michigan	15	9	8	11	2
Minnesota	11	7	7	6	0
Mississippi	0	0	0	1	0
Missouri	14	14	9	8	0
Montana	0	1	0	1	0
Nebraska	1	2	1	1	0
New Hampshire	4	6	2	2	3
New Jersey	42	48	35	39	4
New Mexico	1	0	2	1	0
New York	142	175	121	115	21
North Carolina	3	2	3	0	0
North Dakota	0	0	0	1	0
Ohio	39	29	33	25	0
Oklahoma	6	2	1	4	2
Oregon	1	0	1	2	0
Pennsylvania	38	31	35	17	1
Rhode Island	3	7	9	6	0
South Carolina	1	0	1	2	0
South Dakota	0	0	0	1	0

GEOGRAPHICAL DISTRIBUTION

Tennessee	1	1	2	2	0
Texas	13	4	5	10	1
Utah	1	1	0	0	0
Vermont	2	5	3	3	0
Virginia	4	5	6	2	2
Washington	6	5	3	4	0
West Virginia	2	1	3	0	0
Wisconsin	8	5	4	6	0
Wyoming	2	0	0	1	0
	<hr/> 604	<hr/> 582	<hr/> 482	<hr/> 453	<hr/> 75
Austria	0	0	1	0	0
Bermuda	1	0	0	0	0
Brazil	0	1	0	0	0
Canada	3	2	3	2	1
Chile	0	0	0	2	0
France	0	1	0	0	0
Germany	0	0	1	0	3
Greece	0	0	0	3	0
Guatemala	1	0	0	1	0
Hawaii	3	0	1	2	0
India	0	0	0	0	1
Jamaica	0	1	0	0	0
Korea	0	1	0	0	0
Luxembourg	0	0	0	0	1
Mexico	0	1	1	0	1
Netherlands	0	0	0	0	1
Norway	0	0	2	0	0
Pakistan	0	0	0	0	1
Philippines	0	0	0	0	1
Scotland	0	0	0	0	1
Spain	0	0	0	0	1
Turkey	0	0	1	0	0
Venezuela	1	0	0	0	0
	<hr/> 613	<hr/> 589	<hr/> 492	<hr/> 463	<hr/> 87

EXAMINATION SCHEDULES

Schedule of Midyear Examinations for the Year 1954-55

This schedule should be consulted before courses are elected.

The term "sectioned course" as used in this schedule means a course in which there are no hours of meeting in common for all the students of the course. Examinations for courses not included will be arranged before the examination period.

	<i>Wed. Jan. 19</i>	<i>Thurs. Jan. 20</i>	<i>Fri. Jan. 21</i>	<i>Sat. Jan. 22</i>	<i>Mon. Jan. 24</i>
8:00-10:20	Music 11 Music 21 Music 22	All classes scheduled for Th F S 10 except sectioned courses	General Literature 291 Hygiene 11a	All classes scheduled for W Th F 2 except sectioned courses	Mathematics 12 Mathematics 13 Mathematics 21a Mathematics 22a
10:30-12:50	All classes scheduled for M T W 10 except sectioned courses	All classes scheduled for Th F S 12 except sectioned courses	All classes scheduled for Th F S 9 except sectioned courses	All classes scheduled for M T W 2 except sectioned courses	French 11D French 12 French 13 French 16 French 26
2:30-4:50	Italian 11 Italian 11D Spanish 11 Spanish 11D Spanish 12 Spanish 16 Spanish 25	German 11 German 11D German 12 German 26	All classes scheduled for M T 4 except sectioned courses	History 11	All classes scheduled for M T W 3 except sectioned courses

Schedule of Midyear Examinations for the Year 1954-55

Continued

	<i>Tues. Jan. 25</i>	<i>Wed. Jan. 26</i>	<i>Thurs. Jan. 27</i>	<i>Fri. Jan. 28</i>
8:00-10:20	All classes scheduled for Th F 4 except sectioned courses	French 22a	Philosophy 11 Philosophy 24	All classes scheduled for W Th F 3 except sectioned courses
10:30-12:50	All classes scheduled for M T W 12 except sectioned courses	Psychology 11a Psychology 12	All classes scheduled for Th F S 11 except sectioned courses	Speech 11a Speech 14 Speech 22a
2:30-4:50	Physics 11 Physics 12 Theatre 12	All classes scheduled for M T W 11 except sectioned courses	Economics 21	All classes scheduled for M T W 9 except sectioned courses

EXAMINATION SCHEDULES

INDEX

- Academic divisions, 29, 39
- Academic Record, 45
- Acceleration, 39
- Administrative Officers, 19
- Admission, 35
 - Advanced standing, 38
 - Entrance requirements, 35, 36
 - Entrance tests, 36, 37
 - Foreign students, 38
 - Graduate students, 144
 - Noncollegiate students, 38
- Advisers, 28
- Alumnae Association Officers, 180
 - Presidents of Clubs, 181
- American College Council for Summer Study Abroad, 44
- American Studies major, 139
- Architecture & Landscape Architecture courses, 51, 52, 53, 54, 55
- Art courses, 51
- Astronomy courses, 56
- Auditors, 38, 47
- Awards, 162
- Bacteriology courses, 99; major, 141
- Biblical Literature courses, 121
- Bills, 2, 150
- Board, 150, 151
- Botany courses, 58
- Buildings, 147
- Buildings & Grounds, Department of, 26
- Calendar, College, 5; yearly, 4
- Certificate for Foreign Students, 144; of Graduate Studies, 171
- Chemistry courses, 61
- Child Study courses, 70
- Classical Languages & Literatures, 64
- Classics courses, 66
- College Board tests, 36; regulations, 37
- Committees, Faculty, 27
- Cooperative houses, 149, 151
- Correspondence, Names for, 2
- Counselors, Board of, 6
- Courses of Study, 48
- Curriculum, 39
- Dance courses, 112, 134
- Day School, 25, 32, 148
- Deaf, Teaching of the, 73, 134
- Dean's List, 45
- Degrees conferred 1953, 164, 171, 172, 173
- Degrees, Requirements for
 - Bachelor of Arts, 39
 - Doctor of Philosophy, 144
 - Master of Arts, 144
 - Master of Education, 144
 - Master of Science in Physical Education, 113, 144
 - Master of Social Science, 178
- Deposits, 35, 42
- Divisions of the curriculum, 39
- Economics courses, 67
- Education courses, 70
- Election of courses, 45
- Elisabeth Morrow Morgan Nursery School, 25, 32, 148
- English courses, 74; requirement, 40
- Entrance requirements, 35; tests, 36, 37, 38
- Examination schedules, 188
- Exclusion from college, 45, 112
- Expenses, 42, 150, 178
- Faculty, 7
- Failures, 45, 112
- Fees, for auditors, 38
 - Graduation, 150
 - Gymnasium suits, 150
 - Junior Year Abroad, 42
 - Noncollegiate students, 38
 - Practical music, 150
 - Practice rooms, 150
 - Registration, 35, 150
 - Scholastic Aptitude & Achievement Tests, 37
 - School for Social Work, 178
 - Sports, 112, 150
- Fellowships, 144, 152
- First Group Scholars, 163
- Foreign Students, 38, 144
- French courses, 79
- Freshman requirements, 40
- Geographical distribution of students, 186
- Geology and Geography courses, 82
- General Literature major, 140
- Genetics Experiment Station, 24, 58, 148
- Genetics courses, 60, 137, 138
- German courses, 86
- Government courses, 88
- Grades, 39, 45

- Graduate Study, 144
- Greek courses, 64, 122
- Gymnasium suits, 112, 150
- Heads of House, 26, 146
- Health, 146
- Health Service, 22
- Hebrew course, 122
- History courses, 92
- History of Smith College, 30
- Honors, 44; conferred, 169, 172
- Houses, 145, 149
- Hygiene courses, 98; requirement, 40, 98
- Infirmity, 22, 146, 150
- Insurance, 42, 146
- Interdepartmental courses, 49
- Interdepartmental majors, 41, 139
- Italian courses, 100
- Junior requirements, 41
- Junior Year Abroad, 32, 42
- Key to symbols and abbreviations, 7, 48
- Language houses, 33, 149
- Language requirement, 40
- Latin courses, 65
- Library, 23, 147
- Loans, 152
- Major, the, 41
- Mathematics courses, 102
- Midyear Examination schedule, 188
- Minimum of hours, 38, 39, 40, 46
- Museum of Art, 24, 147
- Music courses, 104
 - Entrance requirements, 107
 - Fees for practical music, 150
- Noncollegiate students, 38
- Nursery School, 25, 32, 148
- Phi Beta Kappa Society, 45
- Philosophy courses, 108
- Physical Education courses, 111
 - Courses in Teacher Training, 113
 - Requirement, 112
- Physics courses, 114
- Physiological Chemistry major, 141
- Plant, 147
- Portuguese courses, 129
- Premedical Science major, 142
- Prizes, 159, 162
- Professional Schools, preparation for, 141, 142
- Psychology courses, 118
- Radio course, 133
- Reading Clinic, 70
- Readmission, 38
- Registrar's List, 45
- Registration, 35; for freshmen, 5
- Religion courses, 121
- Religious life, 146, 149
- Requirements for Admission, 35, 36, 38
 - College requirements, 39, 40, 41
- Residence, 145; required, 38
- Residence scholarships, 151
- Riding fees, 112, 150
- Room assignments, 35, 145
- Rules for election of courses, 45
- Russian courses, 124
- Scholars, List of, 163
- Scholarship, 45
- Scholarships, 151, 178
 - Endowed, 153
 - First Group, 151
 - Residence, 151
- Scholastic Achievement Tests, 36
- Aptitude Tests, 36
- Self-help, 152
- Senior requirements, 41
- Shortage of hours, 38, 45, 46
- Sigma Xi, Society of the, 45
- Signs and abbreviations, 7, 48
- Smith College Day School, 25, 32, 148
- Social Work, School for, 25, 175
 - Degrees conferred, 173
- Sociology courses, 125
- Sophomore requirements, 40
- Spanish courses, 129
- Speech courses, 132
- Sports fees, 112, 150
- Students' Aid Society, 2, 152
- Students, summary of, 185
- Teaching Fellows, 17
- Teaching fellowships, 144
- Teaching requirements, 70
- Theatre courses, 134
- Trustees, Board of, 6
- Tuition, 150
- Visitors, 2
- Vocational counseling, 146; Office, 22
- William Allan Neilson Chair, 34
- Withdrawal from college, 35
- Zoology courses, 136

Smith College Bulletin

The Catalogue Number
1955 - 1956

NORTHAMPTON, MASSACHUSETTS

Visitors

Visitors are always welcome at the College. Student guides, whose headquarters are College Hall 1, are available for conducting tours of the campus. Their services may be reserved in advance by application to the Board of Admission.

Candidates for admission and pre-college students are urged to secure appointments in advance with the Director or Assistant Director of Admission and, if they are interested in scholarship and self-help opportunities, with the Director of Scholarships and Student Aid.

Administrative offices in College Hall are open Monday through Friday from 8:30 A.M. to 4:30 P.M. At other times, including holidays, officers and staff are available only if an appointment is made in advance.

Correspondence

Inquiries of various types concerning Smith College may be made of the following officers and their staffs, either by mail or by interview. The post office address is Northampton, Massachusetts.

ADMISSION OF STUDENTS: Mrs. Ruth W. Crawford, *Director*

RESIDENCE & GENERAL WELFARE OF STUDENTS: Miss Helen L. Russell, *Acting Warden*

SCHOLARSHIPS & SELF-HELP: Miss Mary E. Mensel, *Director*

GRADUATE STUDY & FELLOWSHIPS: Miss Gladys A. Anslow, *Director*

FOREIGN STUDENTS: Mrs. Lomie Lee Johnson, *Secretary of the Committee*

HEALTH OF STUDENTS: Dr. Marion F. Booth, *College Physician*, Gateway House

ACADEMIC STANDING:

Mrs. Brewer G. Whitmore, *Dean of the Class of 1956*

Mrs. Allison W. Marsh, *Dean of the Class of 1957*

Miss Elinor V. Smith, *Dean of the Class of 1958*

Miss Eleanor T. Lincoln, *Dean of the Class of 1959*

PUBLICATIONS: Miss Elizabeth C. Baird, *Secretary for Publications*

LOANS FROM STUDENTS' AID SOCIETY: Miss Emma B. Proctor, *Assistant Treasurer*

PAYMENT OF BILLS: Mr. William A. Bodden, *Treasurer*

SCHOOL FOR SOCIAL WORK: Miss Florence R. Day, *Director*

ALUMNAE AFFAIRS: Mrs. Clifford P. Cowen, *General Secretary*, Alumnae House

DEVELOPMENT PROGRAM: Miss Natalie Hoyt, *Director of the Development Program*

PUBLIC RELATIONS: Mrs. Morison Miller, *Director of Public Relations*

TRANSCRIPTS & RECORDS: Mrs. Gladys D. Diggs, *Registrar*

Table of Contents

Visitors, Correspondence	2
Calendar for 1955, 1956, 1957	4
College Calendar	5
The Board of Trustees	6
The Board of Counselors	6
Officers of Instruction and Administration	7
Standing Committees of the Faculty	27
History of Smith College	30
Admission of Undergraduates	35
The Curriculum	39
Courses of Study	48
Interdepartmental Courses	49
Departmental Courses	51
Interdepartmental Majors	150
Graduate Study	154
General Information	155
The College Community	155
Expenses	160
Scholarships and Financial Aid	161
Endowed Scholarships and Prizes	164
Awards, Honors, and Degrees	173
Smith College School for Social Work	186
The Alumnae Association	191
Statistical Summary of Students in College	197
Midyear Examination Schedule for 1955-56	200
Index	202

College Calendar

FIRST SEMESTER 1955-1956

SATURDAY, SEPTEMBER 17, 9:00 A.M.-2:00 P.M., Registration for Freshmen

TUESDAY, SEPTEMBER 20, 9:00 A.M., First Chapel and Registration

WEDNESDAY, SEPTEMBER 21, 9:00 A.M., Classes begin

A DAY AFTER OCTOBER 3, Mountain Day (*holiday*)

FRIDAY, OCTOBER 21, Meeting of the Board of Trustees

WEDNESDAY, NOVEMBER 23, 12:50 P.M. to MONDAY, NOVEMBER 28, 9:00 A.M., Thanksgiving Weekend

FRIDAY, DECEMBER 16, 12:50 P.M. to TUESDAY, JANUARY 3, 9:00 A.M., Winter Recess

JANUARY 8-15, Reading Period

MONDAY, JANUARY 16, Free Day

JANUARY 17-26, Midyear Examinations

SECOND SEMESTER 1955-1956

MONDAY, JANUARY 30, Second Semester begins

FRIDAY, FEBRUARY 17, Meeting of the Board of Trustees

WEDNESDAY, MARCH 21, 12:50 P.M. to THURSDAY, APRIL 5, 9:00 A.M., Spring Recess

FRIDAY, APRIL 20, Meeting of the Board of Trustees

MAY 10-17, Reading Period

FRIDAY, MAY 18, Free Day

MAY 19-29, Final Examinations

SUNDAY, JUNE 3, Commencement Day

The Board of Trustees

BENJAMIN FLETCHER WRIGHT, PH.D., LL.D., (<i>President</i>)	Northampton
<i>Term</i>	
<i>expires</i>	
1956 FRANCIS McMASTER KNIGHT, B.A.	Chicago, Illinois
1957 FRANCES BRADSHAW BLANSHARD, PH.D., LL.D.	New Haven, Connecticut
1958 FREDERICK M. WARBURG, A.B.	New York City
1959 PAUL HERMAN BUCK, PH.D., LL.D., LITT.D.	Cambridge, Massachusetts
1960 JUSTINA HAMILTON HILL, M.S., SC.D. (HON.)	New York City
1961 POMEROY DAY, B.A., LL.B.	Hartford, Connecticut
1963 HAZEL WINANS COE, A.B. (<i>Chairman</i>)	Waterbury, Connecticut
1964 ROBBINS MILBANK, A.B.	Burlingame, California
1965 CHARLES G. MORTIMER	White Plains, New York
1956 DOROTHY FOSDICK, PH.D., LL.D., L.H.D.	Washington, D. C.
1958 EMILY CRABBE BALLOU, A.B.	Wellesley Hills, Massachusetts
1960 ANNE CUTTER COBURN, M.A.	Cleveland, Ohio
1962 MARY BROOKS GRISWOLD, A.B.	New Haven, Connecticut
FLORENCE MACDONALD, A.B., <i>Secretary</i>	Northampton
WILLIAM ALBERT BODDEN, B.A., <i>Treasurer and Controller</i>	Northampton

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	Philadelphia, Pennsylvania

Officers of Instruction and Administration

THE FACULTY

BENJAMIN FLETCHER WRIGHT, PH.D., LL.D.,	<i>President and Professor of Government</i>
ANNA ALICE CUTLER, PH.D., L.H.D.	<i>Professor Emeritus of Philosophy (1930)</i>
HARRIET REDFIELD COBB, A.M.	<i>Professor Emeritus of Mathematics (1931)</i>
ELIZABETH DEERING HANSCOM, PH.D.	<i>Professor Emeritus of English Language and Literature (1932)</i>
FRANK ALLAN WATERMAN, PH.D.	<i>Professor Emeritus of Physics (1933)</i>
MARY LOUISE FOSTER, PH.D.	<i>Associate Professor Emeritus of Chemistry (1933)</i>
LOUISA SEWALL CHEEVER, A.M.	<i>Associate Professor Emeritus of English Language and Literature (1934)</i>
JOSEF WIEHR, PH.D.	<i>Professor Emeritus of German Language and Literature (1937)</i>
MARY LILIAS RICHARDSON, A.M.	<i>Associate Professor Emeritus of Latin Language and Literature (1937)</i>
CAROLINE BROWN BOURLAND, PH.D.	<i>Professor Emeritus of Spanish Language and Literature (1939)</i>
MARY BELLE McELWAIN, PH.D., LITT.D.	<i>Professor Emeritus of Classical Languages and Literatures (1942)</i>
FLORENCE ALDEN GRAGG, PH.D.	<i>Professor Emeritus of Classical Languages and Literatures (1943)</i>
LAURA WOOLSEY LORD SCALES, B.L., L.H.D., LITT.D.	<i>Warden Emeritus (1944)</i>
ANNA ADELE CHENOT, A.M.	<i>Associate Professor Emeritus of French Language and Literature (1944)</i>
WILLIAM DODGE GRAY, PH.D.	<i>Professor Emeritus of History (1946)</i>
FRANK HAMILTON HANKINS, PH.D.	<i>Professor Emeritus of Sociology (1946)</i>
GRACE HAZARD CONKLING, B.L., A.M. (HON.)	<i>Professor Emeritus of English Language and Literature (1946)</i>
MARGARET GALE SCOTT, M.A.	<i>Associate Professor Emeritus of History (1946)</i>
H. LOUISA BILLINGS, A.M.	<i>Associate Professor Emeritus of Physics (1947)</i>
HELEN ASHHURST CHOATE, PH.D.	<i>Associate Professor Emeritus of Botany (1947)</i>
EMILY LEDYARD SHIELDS, PH.D.	<i>Professor Emeritus of Classical Languages and Literatures (1948)</i>

Key for superscripts used in this section: † Absent for the year; * absent for the first semester; ** absent for the second semester; || with the Juniors in France; ‡ in Spain; § in Geneva; | in Italy; ¹ appointed for the first semester; ² appointed for the second semester.

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PAUL ROBERT LIEDER, PH.D.

Professor Emeritus of Mathematics (1948)

Registrar Emeritus (1948)

Professor Emeritus of Philosophy (1949)

*Professor Emeritus of Classical Languages
and Literatures* (1949)

*Associate Professor Emeritus of French
Language and Literature* (1949)

*Associate Professor Emeritus of Bacte-
riology* (1950)

Associate Physician Emeritus (1950)

Professor Emeritus of Music (1952)

Professor Emeritus of Economics (1952)

*Professor Emeritus of English Language
and Literature* (1952)

Professor Emeritus of Chemistry (1952)

Professor Emeritus of Music (1952)

Professor Emeritus of History (1952)

*Professor Emeritus of Classical Languages
and Literatures* (1952)

*Secretary Emeritus of the Board of
Trustees* (1952)

*Associate Professor Emeritus of Land-
scape Architecture* (1952)

*Associate Professor Emeritus of Italian
Language and Literature* (1952)

*Associate Professor Emeritus of Physical
Education* (1952)

*Associate Professor Emeritus of Archi-
tecture* (1952)

*Professor Emeritus of Religion and Bib-
lical Literature* (1953)

*Professor Emeritus of Classical Lan-
guages and Literatures* (1953)

Professor Emeritus of Speech (1953)

*Professor Emeritus of Spanish Language
and Literature* (1953)

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Professor Emeritus of Zoology (1955)
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and Literature (1955)*
Professor Emeritus of History (1955)

Professor Emeritus of Drama (1955)
*Associate Professor Emeritus of Hygiene
(1955)*

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College Physician and Professor of
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Professor of French Language and Literature

*NEAL HENRY MCCOY, PH.D.

Professor of Mathematics

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Professor of Sociology and Dean of the Class of 1957

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Marian Bryant King

Clerical Assistant

Anna Barbara Kuzeja

Clerical Assistant

Helen A. Nash

Clerical Assistant

Marion Dorothy Passa

Clerical Assistant

Beverly J. Waters

Clerical Assistant

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ANNETTE GARRETT, A.M., M.S.S.	<i>Associate Director</i>
ESTHER H. CLEMENCE, M.S.S.	<i>Supervisor of Field Work</i>
GRACE K. NICHOLLS, M.S.S.	<i>Supervisor of Field Work</i>

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Executive Secretary and Registrar
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Secretarial Assistant

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CONSTANCE ROBBINS SAYRS, B.S. IN ED.
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Teacher
Teacher
Teacher
Teacher
Teacher
Teacher of Physical Education
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Teacher of Art
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Physician
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CATHERINE L. FLYNN
ELIZABETH KING

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Office Manager
Clerical Assistant
Clerical Assistant
Clerical Assistant

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ALICE G. CAMPBELL
RAYMOND J. PERRY

Horticulturist
Clerical Assistant
Superintendent of the Laundry

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MARTHA MARCELLE BREAKEY
HILDA M. BURN

PATRICIA PARKS BUTTERFIELD, A.B.
HELEN WOODS CHANDLER
VIRGINIA L. CHRISTIE
EDITH GILL CHUBB
ELIZABETH H. DAVIS

JOSEPHINE WOODS ENGLISH
FRANCES SEABERT FINLEY

RUTH BAKER GIBSON
NELLIE GLIDDEN
HARRIET BROWN GOSS, A.B.
ANITA EMMET HALL
DOROTHY V. HALL
MARIANNE HEINEMANN
†ROSA E. V. HORTON
ELEANOR BURDICK IRWIN, A.B.
ESTELLA CULVER KELSEY
DORIS ASHTON KING
ELIZABETH LOWRY, B.L.
MAY IRENE McARTHUR

MILDRED B. McCRAE
HELEN WILLARD MARSHALL
MARION MORRELL
JEAN DUNCAN NOBLE, A.M.
LUCILLE M. O'CONNELL

ABBIE STANLEY PAGE, A.B.

Comstock House
Franklin King House
{ *Capen House*
 Capen Annex
Jordan House
Martha Wilson House
Director, Davis Student Center
Baldwin House
{ *Dewey House*
 Clark House
Morrow House
{ *Park House*
 Park Annex
Albright House
Chapin House
Morris House
Wallace House
Laura Scales House
German House
Northrop House
Ellen Emerson House
Lawrence House
Wilder House
Lamont House
{ *Parsons House*
 Parsons Annex
Cushing House
Tyler House
Gillett House
Northrop House
{ *Haven House*
 Wesley House
Hopkins Group

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SARA BEAUVAIS ROSENTHALL	<i>Washburn House</i>
JESSICA JENKS SAUNIER, A.B.	<i>Tenney House</i>
HELEN PRESTON SAWYER	<i>Talbot House</i>
GLADYS NEAL TIMMERMAN	<i>Gardiner House</i>
JULIA WARNER, B.S.	<i>150 Elm Street</i>
EMILY CHAPIN WOOD, A.B.	<i>Hubbard House</i>
ELIZABETH LAIRD YOUNG, A.B.	<i>Fort Hill House</i>
MADELEINE RANDALL YOUNG	<i>Sessions House</i>

STANDING COMMITTEES OF THE FACULTY

ORGANIZATION OF THE COLLEGE

COMMITTEES (*elected*)

The President, the Dean, Mr Gibian (*chairman*) 1956, Mr von Klemperer (1956), Mr Richard Johnson (1957), Miss Leland (1957)

TENURE AND PROMOTION (*elected*)

The President, the Dean, Mr Graham (1956), Miss Wilson (1957), Miss Anslow (1958), †Miss Corwin (1959), Mr Davis (1960). Substitute for one year: Miss Elinor Smith

TRUSTEE-FACULTY CONFERENCE (*elected*)

Miss Gabel (1956), Mr Scott (1957), Mr Ross (1958), Mr Bragdon (*Educational Policy*), Miss Anslow (*Tenure and Promotion*)

ADMINISTRATIVE BOARD

The Dean (*chairman*), the Warden, the Class Deans, the Registrar, the College Physician, Mr Gotwals, Mr Mair, Mr Unsworth

CONFERENCE

The President, the Administrative Board, five members of the Student Council, four members of the House of Representatives

BOARD OF ADMISSION

The President (*chairman*), the Dean, Mrs Crawford, Miss Sehmman, Miss Russell, Miss Lincoln, Miss Dorothy Bacon, Mr Bragdon

REGISTRATION OF STUDENTS

Miss Jennings (*chairman*), Miss Schoonmaker, Miss Evans, Mr Kofsky, Mr Lampard, Mr McCartney, Mr McCormick, Mr Robertson

†Absent for the year.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

CURRICULUM AND GUIDANCE OF STUDENTS

EDUCATIONAL POLICY (*elected*)

The President, the Dean (*chairman*), Mr Bragdon (1956), Miss Peoples (1956), Miss Carter (1956), † Mr Aaron (1957), Mrs Lehmann (1957), Mr von Klemperer (1957), Mr Chinoy (1958), Mrs Hobbs (1958), Miss Wilson (1958). Substitute for one year: Miss Page

BOARD OF ADVISERS

The Dean (*chairman*), Miss Dorothy Bacon, Miss Helen Bacon, Mr Bragdon, Mr Chapman, Mr Chinoy, Mr Coe, Mrs Cohen, Mr Cohn-Haft, Mr Crary, Mr Creed, Mr Doland, Mr Fisher, Miss Gasool, Mr Gotwals, Mr Graham, Mrs Haigh, Mrs Hobbs, Miss Hornbeak, Mr Richard Johnson, Mr Wendell Johnson, Miss Kallmann, Miss Kenyon, Mr Larkin, Mr Mair, Mr May, Mr Miller, Mr Olmsted, Miss Peoples, Mr Petersson, Miss Rees, Mr Robertson, Miss Robinton, Mr Ross, Miss Schnieders, Mr Scott, Mr Sheehan, Mr Sherk, Miss Te Winkel, Mr Unsworth, Mr von Klemperer, Miss Walsh, Mr Weinstein, Miss Williams. Miss Elinor Smith, Miss Lincoln (*ex-officio*)

HONORS

Mrs Lehmann (*chairman*), the President, the Senior Class Dean, Mr Fisher, Mrs Hoyt, Mr May, Mr Pierce, Mr Sherk

GRADUATE STUDY

Miss Anslow (*chairman*), the President, Miss Ainsworth, Mrs Holmes, Miss Hornbeak, Miss Peirce, Miss Gertrude Smith, Mr Soffer, Mr Wakeman (*first semester*), Mr Hoyt (*second semester*)

FOREIGN STUDENTS

Miss Peirce (*chairman*), Miss Bourgoin, Mr Chinoy, Miss Schnieders, Miss Sturm, Miss Williams, Mr Unsworth, Miss Mensel (*ex-officio*)

OTHER COLLEGE BUSINESS

ATTENDANCE AT LEARNED SOCIETIES

Mr McCoy (*chairman*), Mr Creed, Mrs Holmes

FACULTY OFFICES

Mrs Lazerowitz (*chairman*), Mr Packard, Mr Petersson

HONORARY DEGREES

Mr Salvadori (*chairman*) (1956), Mr Scott (1957), Mr Arvin (1958)

JUNIPER LODGE

Miss Hornbeak (*chairman*), Miss Gabel, Mrs Christie (*secretary*)

OFFICERS OF INSTRUCTION AND ADMINISTRATION

LECTURES

Mr Hill (*chairman*), Mr Chinoy, ~~Miss Kenyon~~, Miss Mohler, ~~Miss Walsh~~,
Mr Sheehan (*secretary*)

LIBRARY

Miss Hornbeak (*chairman*), the Librarian, Miss Carpenter, ~~Mr Coe~~, Mr Olmsted

MARSHALS

Mr Kenneth Wright (*college marshal*), ~~Mr Graham~~, Miss Lincoln, Miss Rees,
Miss Robinton

MOTION PICTURES

Mr Cohen (*chairman*), ~~Mr Graham~~, Mr Mead, Mr Snyder, Mrs Whitmore,
Mrs Cantarella (*secretary*)

SCHOLARSHIPS

The President (*chairman*), the Dean, the Warden, Miss Mensel, Mr Bodden, Mr
Crary, Mrs Haigh, Miss Robinton, Miss Peirce (*ex-officio*)

STUDENTS' AID SOCIETY

Mrs Hobbs (*chairman*), Mrs Kierstead

CHAIRMEN OF ACADEMIC DIVISIONS

- I THE HUMANITIES: Miss Peirce
- II SOCIAL SCIENCES AND HISTORY: Mr Bragdon
- III NATURAL SCIENCES AND MATHEMATICS: Mr Sherk

History of Smith College

Smith College began in the conscience of a New England woman. The sum of money with which the first land was bought, the first buildings erected, and the foundations of the endowment laid had been amassed by a man who, like many Americans, had made a fortune without any apparent ulterior purpose. He seems to have bequeathed it to his sister because he had not made up his mind what else to do with it. Sophia Smith left it for the founding of a college for women because after much perplexity, deliberation, and advice, she had concluded that thus she could best fulfill a moral obligation.

The advice had its inception in the mind of a New England minister. From John Morton Greene, Sophia Smith received suggestions which she pondered and discussed, and from among which she finally accepted that which we must acclaim as the wisest and most beneficent. The idea that Mr. Greene presented and Sophia Smith adopted is clearly expressed in a passage in Sophia Smith's will that must be regarded as their joint production, drafted by him, amended and approved by her. The language is as follows:

I hereby make the following provisions for the establishment and maintenance of an Institution for the higher education of young women, with the design to furnish for my own sex means and facilities for education equal to those which are afforded now in our Colleges to young men.

It is my opinion that by the higher and more thorough Christian education of women, what are called their "wrongs" will be redressed, their wages adjusted, their weight of influence in reforming the evils of society will be greatly increased, as teachers, as writers, as mothers, as members of society, their power for good will be incalculably enlarged.

Later, after enumerating the subjects which still form the substance of the curriculum of the College, she adds: "And in such other studies as coming times may develop or demand for the education of women and the progress of the race, I would have the education suited to the mental and physical wants of woman. It is not my design to render my sex any the less feminine, but to develop as fully as may be the powers of womanhood, and furnish women with the means of usefulness, happiness and honor, now withheld from them." She further directed that "without giving preference to any sect or denomination, all the education and all the discipline shall be prevaed by the Spirit of Evangelical Christian Religion."

NOTE:—Among the sources of this account are the historical addresses given by President William Allan Neilson on the Fiftieth Anniversary and by Ada Comstock Notestein '97 (former Dean of Smith and President of Radcliffe) on the Seventy-Fifth Anniversary of the College.

HISTORY OF SMITH COLLEGE

When one considers what would today be regarded as the somewhat narrow and puritanical type of culture in which the authors of these sentences were living, one cannot fail to be impressed by their wisdom, liberality, and farsightedness. The general terms in which the purposes of women's education are defined are perfectly valid today. Provision is made for change of outlook and development in the scope of education. While the fundamentally religious interest of the founder is stressed, the College is kept clear of entanglement with institutional Christianity, and the only prescription is the pervading of instruction by the spirit of the gospel of Jesus Christ. This injunction has been obeyed in the past, we trust and believe it is being obeyed in the present, and there is no reason to believe that it will not be willingly and gladly observed in the future.

I

It is one thing to state an ideal and give a commission, it is another to carry them out. Laureus Clark Seelye in 1873 undertook the presidency of the new college, and in 1875 Smith College was opened with fourteen students. His inaugural address laid down the main lines of educational policy on which the new college was to run, and again it is amazing to note how little these have to be modified to describe the College of today. There is the same high standard of admission, matching that of the best colleges for men, the same breadth in the curriculum, the same emphasis on literature, art, and music. What we are less likely to note is the faith needed to establish these standards and to stick to them in an atmosphere of skepticism and ridicule.

For thirty-five years President Seelye carried the College forward. Its assets grew from the original bequest of about \$400,000 to over \$3,000,000; its faculty from half a dozen to 122; its student body from 14 to 1635; its buildings from three to 35. These figures are a testimony to his remarkable financial and administrative ability, yet they are chiefly important as symbols of a greater achievement. With few educational theories—none of them revolutionary—he had set going a process for the molding of minds and spirits of young women, had supervised the process for a generation, and had stamped upon several thousand graduates the mark of his own ideals and his own integrity.

II

It is hard to follow the king, and the problem which faced President Seelye's successor was no easy one. The growth of the College had acquired a strong momentum, and numbers increased of themselves; Marion Le Roy Burton's task was to perfect the organization for taking care of these numbers. This meant the modernizing of the business methods of the administration, the improvement of the ratio of instructors to students, the raising of salaries to retain and improve the staff, the providing of more adequate equipment, and the revision of the curriculum. The seven years of his service saw the further growth of the College to over

HISTORY OF SMITH COLLEGE

1900 students, the increase of its assets by over \$1,000,000, and substantial progress in educational efficiency. The business reorganization was well begun when in 1917 President Burton accepted the presidency of the University of Minnesota.

III

Now one of the largest women's colleges in the world, Smith College faced problems which it shared with both colleges and universities. President William Allan Neilson set about to develop all the advantages which only a large institution can offer, and at the same time to avoid any disadvantages which might be inherent in the size of the institution. While the number of instructors was constantly increased, the number of students was held to approximately two thousand. With the construction of further dormitories, each one of them housing sixty or seventy students in accordance with the original "cottage plan" of the founders, it became possible for all students to live "on campus." An expanded administrative system provided a separate Dean for each college class, a staff of five resident physicians, and a Director of Vocational Guidance and Placement. In addition, the curriculum was revised under President Neilson's guidance in order to provide a pattern now generally familiar in institutions throughout the country: a broad general foundation in various fields of knowledge followed by a more intensive study of a major subject.

There were other innovations. The School for Social Work resulted from a suggestion that the College give training in psychiatric social work and thus serve in the rehabilitation of veterans of World War I. The Smith College Day School and the Elisabeth Morrow Morgan Nursery School gave students in education a field for observation and practice teaching. The Junior Years Abroad, Special Honors programs, and interdepartmental majors in science, landscape architecture, and theatre added variety and incitement to the course of study.

Yet the great contribution of President Neilson's long administration did not lie in any of these achievements or in their sum. In his time Smith College came to be recognized in America and abroad not only as a reputable member of the academic community but as one of the leading colleges of this country, whether for men or women. Its position in the front rank was established. Its size, its vigor, the distinction of its faculty, and the ability of its alumnae were factors in this recognition; but a certain statesmanlike quality in its President had much to do with bringing it to the fore whenever academic problems were under discussion. Wherever Mr. Neilson went, his ability to penetrate to the heart of a question helped to clarify thinking, dissipate prejudice, and foster agreement; and the College rose with him in the estimation of the educational world and of the country.

IV

The fourth administration of Smith College began, like the third, in a time of international conflict, under the cloud of wars and rumors of wars. President Neilson

HISTORY OF SMITH COLLEGE

retired at the end of the academic year 1938-39; during the interregnum Mrs. Elizabeth Cutter Morrow served her college as Acting President and earned its deep gratitude. At the opening of the year 1940-41, President Herbert Davis, formerly Professor of English at the University of Toronto and at Cornell University, took office.

The college went into year-round session in order to allow for acceleration on an optional basis; members of the faculty and staff were called into many fields of government service. The Navy Department invited Smith College to provide facilities for the first Officers' Training Unit of the Women's Reserve, and between August, 1942 and the closing of the school in January, 1945 more than ninety-five hundred women received their commissions.

After the war, the College returned to the regular calendar, and a revised curriculum proposed by a Faculty Committee was adopted. Much-needed building projects were carried out. Among them was a new heating plant and the establishment of a student recreation hall which, at the request of the students, was named Davis Center in honor of their president, shortly before he left in June, 1949 to accept a post at Oxford University.

V

The Anniversary year 1949-50 opened under a new president, Benjamin Fletcher Wright, formerly Professor of Government at Harvard University and Chairman of that University's important Committee on General Education. The Inauguration of the President and the Convocation in honor of the seventy-fifth year, held jointly on the 19th and 20th of October, were marked in word and spirit by recognition not only of the brilliant record of the past but of a great responsibility toward the future. "Our legacy is not narrow and confining," said Mr. Wright in his inaugural address. "The founders of this College faced their own times with courage, and they had confidence that later generations would advance their work. We shall be faithful to that trust only if we carry on our heritage in their spirit." Eight months later at an Anniversary Assembly in June, this confidence was notably demonstrated in the successful completion of a Seven Million Dollar Fund representing four years of devoted and indefatigable effort on the part of Alumnae, students, and friends of the College.

Among the most notable achievements of President Wright's administration has been the introduction of interdepartmental courses in a variety of areas, calling for imaginative collaboration on the part of the faculty and offering to the students fresh kinds of intellectual experience. Of at least equal significance has been the expansion of the honors program. The number of students enrolling as candidates for the degree with honors shows an increase of more than one hundred per cent since 1950. In spite of exceptional difficulties, the economic situation of the College has improved, and faculty salaries have been increased.

The growth of Smith College is evident enough in the contrast between the small beginnings and the present achievement: between the original corner lot of 13 acres

HISTORY OF SMITH COLLEGE

and a campus of 206 acres; between Sophia Smith's legacy of \$400,000 and current assets of \$31,192,075; between the first class of 14 and today's enrollment of 2312; between the 11 graduates of 1879 and an alumnae roster of 29,433. Expansion has meant no change in the ideals set for the College by the founders and carried on by all the great company who have loved it and worked for it. By putting quality first, by coveting the best, by cherishing the values for which the College has always stood, those who serve it now are united in devotion and in commitment with all who have served it in the past. It is this corporate loyalty which has always been, and will continue to be, the abiding strength of Smith College.

THE WILLIAM ALLAN NEILSON CHAIR OF RESEARCH

The William Allan Neilson Professorship, commemorating his profound concern for scholarship and research, has been held by the following distinguished scholars:

KURT KOFFKA, PH.D. *Psychology*. 1927-32.

G. ANTONIO BORGESSE, PH.D. *Comparative Literature*. 1932-35.

SIR HERBERT J. C. GRIERSON, M.A., LL.D., LITT.D. *English*. Second semester, 1937-38.

ALFRED EINSTEIN, DR. PHIL. *Music*. First semester, 1939-40; 1949-50.

GEORGE EDWARD MOORE, D.LIT., LL.D. *Philosophy*. First semester, 1940-41.

KARL KELCHNER DARROW, PH.D. *Physics*. Second semester, 1940-41.

CARL LOTUS BECKER, PH.D., LITT.D. *History*. Second semester, 1941-42.

ALBERT F. BLAKESLEE, PH.D., SC.D. (HON.) *Botany*. 1942-43.

EDGAR WIND, PH.D. *Art*. 1944-48.

DAVID NICHOL SMITH, M.A., D.LITT. (HON.), LL.D. *English*. First semester, 1946-47.

DAVID MITRANY, PH.D., D.SC. *International Relations*. Second semester, 1950-51.

PIETER GEYL, LIT.D. *History*. Second semester, 1951-52.

WYSTAN HUGH AUDEN, B.A. (OXON.). *English*. Second semester, 1952-53.

ALFRED KAZIN, M.A. *English*. 1954-55.

Admission of Undergraduates

SMITH COLLEGE accepts candidates for the degree of Bachelor of Arts both as members of the Freshman Class and as members of the Sophomore or Junior classes with acceptable credits from other colleges. The Freshman Class is selected on a competitive basis, careful consideration being given to each applicant's record as a whole.

APPLICATION FOR ADMISSION

An applicant for admission registers by filling out and submitting an application form which the Board of Admission will furnish upon request, and by paying a registration fee of \$15 which is not refunded. If possible, such registration should be made well in advance of entrance to enable the applicant to receive the benefit of advice in making her entrance plans. Although the date of application is not considered in the selection of candidates, rooms in college houses are assigned to freshmen in order of their dates of application for admission.

SELECTION OF CANDIDATES

The Board of Admission meets in April each year to evaluate records of applicants to the Freshman Class. Its object is to admit students whose academic and health records testify to a capacity for carrying on college studies successfully and whose personal qualifications give assurance that they will be responsible members of the community. Both past achievement and promise of future achievement are given weight in this evaluation.

Besides the school record, the principal's recommendation, and the records of College Board tests, the Board of Admission utilizes such information as the results of psychological tests (for example, the Iowa Silent Reading Test and the American Council Psychological Tests). All credentials should reach the Board of Admission by February 1 in the year of entrance.

A deposit of \$50 must be made by June 1 if the student wishes to accept a place in the College. This deposit is not refunded in case of withdrawal before entrance.

ENTRANCE REQUIREMENTS

An important relationship exists between school and college work. In planning her preparation for entrance, a candidate should bear in mind the three different ways in which this relationship will affect her own college studies.

Primarily, the preparatory program recommended below is intended to assure for the student a satisfactory basis for the work which she will be asked to do on a college level. The discipline and the knowledge acquired from the study of English, languages, mathematics-science, and history have a general bearing upon all college studies.

ADMISSION OF UNDERGRADUATES

As basic foundation for college work, the student should have completed a four-year secondary school program giving sixteen year credits and corresponding to one of the curricula presented below. The elective work may be in language, mathematics, science, history, art, Bible, or music. For special information concerning entrance credits for art, Bible, and music, apply to the Board of Admission.

<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>
English	4	English	4	English	4
Language	3*	Language	5**	Language	5**
{ Mathematics		Algebra	1	{ Mathematics	
{ Science	4†	Geometry	1	{ Science	4†
History	2†	History	2†	History	1
Elective	3	Elective	3	Elective	2
—	—	—	—	—	—
Total	16	Total	16	Total	16

* Or two years in each of two different languages, making a total of four. No credit will be given for one year of a language.

† Three in mathematics and one in science (biology, chemistry, or physics), or four in mathematics.

‡ In different fields.

** One of the languages should be Latin or Greek.

The College is aware of the fact that there is variation among school curricula throughout the country. It is willing to give careful consideration to able students whose programs deviate at some points from those suggested above.

ENTRANCE TESTS

Candidates for admission to the Freshman Class are required to take the Scholastic Aptitude Test and three Achievement Tests. One Achievement Test must be in English; the others must be selected from two of these fields: (1) foreign languages (French, German, Latin, Spanish), (2) mathematics or science (intermediate mathematics, advanced mathematics, biology, chemistry, physics), (3) social studies (history). These tests should be taken in subjects studied in the senior year.

All candidates will be required to take these tests in their senior year. Students who complete the school course in June will be expected to take the three Achievement Tests in March of that year and the Aptitude Test in January or March. If they take the Aptitude Test in January, they should not repeat it in March. Those students who are graduated in the middle of the year may take all the tests in January. All College Board tests are designed to be taken without special preparation. The Board of Admission advises all candidates to take the Scholastic Aptitude Test and the General Composition Test for guidance purposes in May of their junior year.

ADMISSION OF UNDERGRADUATES

COLLEGE BOARD REGULATIONS

The College Entrance Examination Board will send free of charge to any school or applicant a copy of its *Bulletin of Information and Sample Tests* which contains full data concerning application, fees, and examination centers. The Board has set the following examination dates for 1955-56:

1955-1956

December 3, 1955

January 14, 1956

March 17, 1956

May 19, 1956

August 8, 1956

All candidates, except those living in states or foreign areas listed below, should make application by mail to the *College Entrance Examination Board, Box 592, Princeton, New Jersey*. Those who wish to take the examinations in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii, Alberta, British Columbia, Saskatchewan, Manitoba, Yukon, Northwest Territories, Mexico, Australia, Pacific islands including Formosa and Japan should address their inquiries and send their applications to the *College Entrance Examination Board, Box 27896 Los Angeles 27, California*.

In order to facilitate the arrangements for the conduct of the tests all applications should be filed as early as possible. The fee for the Scholastic Aptitude Test taken alone is \$6; for the Achievement Test alone \$8; for the Aptitude Test and the Achievement Tests taken on the same day \$12. Applications and fees should reach the office of the Board not later than the dates specified in the *Bulletin of Information and Sample Tests*. The final date for filing application for examination at an established center outside the United States, Canada, Canal Zone, Mexico, and the West Indies is approximately two months prior to the date of the examination. Late applications will be subject to a penalty of \$3 in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date. Under no circumstances will an application from a candidate in the United States, Canada, Canal Zone, Mexico, or the West Indies be accepted if it is received at a Board office later than one week prior to the date of the examination.

Requests for the establishment of new overseas centers should reach the appropriate Board office at least three months prior to a scheduled examination date.

The College Entrance Examination Board will report the results of the tests to the institutions indicated on the candidates' applications. The College will, in turn, notify the candidates of the action taken upon their applications for admission. No reports on the tests will be sent to candidates by the Board.

ADMISSION OF UNDERGRADUATES

FOREIGN STUDENTS

Smith College is interested in admitting foreign students and is willing to make exceptions for students who give evidence of ability to do college work. Applicants are advised to communicate with the Director of Admission well in advance of entrance in order that the College may advise them concerning entrance plans.

ADVANCED STANDING STUDENTS

The College admits each year a small number of sophomores and juniors by transfer from other colleges. Candidates for admission with advanced standing are judged on the following criteria: school and college records and recommendations, and results achieved on the Scholastic Aptitude Test. Their school and college programs should correlate with the general college requirements given on p. 40 of this *Catalogue*.

Admission to advanced standing is competitive. Successful candidates are given credit without examination for acceptable work taken at another college. Shortages incurred when previous work is not accepted for the Smith College degree may be removed by carrying hours above the minimum or taking work in an approved summer school. During their first semester in residence, advanced standing students may not elect more than seventeen hours except by permission of the Administrative Board. At least two years' residence at Smith College is ordinarily required of a candidate for the degree of Bachelor of Arts.

READMISSION

A student who has withdrawn from college may apply to the Administrative Board for readmission. Application for readmission in September should be sent to the Registrar before April 1; for readmission in February before December 1.

In general, students who have withdrawn from college at the end of the first semester will be permitted to return only in the following February.

NONCOLLEGIATE STUDENTS

Qualified persons beyond the age of the undergraduate may be admitted to courses of study or to supervised research work with the approval of the Registrar and the instructor concerned. The fee is \$30 per semester hour.

Auditors should obtain the permission of the Registrar and of the instructor concerned. The fee for auditing is \$5 per semester course.

The Curriculum

As candidates for the degree of Bachelor of Arts, undergraduate students normally follow a four-year program in which they are required to complete one hundred and twenty hours of academic work as well as prescribed courses in physical education.* For graduation they must achieve a cumulative average of C (fair) in their academic work and a C average in the senior year; in computing these averages plus and minus signs are not taken into account. The minimum schedule for a semester consists of fifteen credit hours.

When plans can be approved before the end of the freshman year, it is possible in special cases for students to complete the work in three years by attending summer sessions elsewhere. Only in rare instances is the degree granted after a residence at Smith College of less than two years, one of which must be the senior year.

ORGANIZATION OF THE CURRICULUM

DIVISION I. THE HUMANITIES

- GROUP A. *Literature:* Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature
- GROUP B. *Fine Arts:* Art, Music, Theatre
- GROUP C. *Philosophy, Religion*

DIVISION II. SOCIAL SCIENCES AND HISTORY

- GROUP D. *History*
- GROUP E. *Social Sciences:* Economics, Education, Government, Sociology, Social Science

DIVISION III. NATURAL SCIENCES AND MATHEMATICS

- GROUP F. *Physical Sciences and Mathematics:* Astronomy, Chemistry, Geology, Physics, Physical Science, Mathematics
- GROUP G. *Biological Sciences:* Bacteriology, Botany, Psychology, Zoology, Biological Science

Speech and Physical Education are associated with Divisions I and III respectively.

*For this requirement in Physical Education see page 119.

THE CURRICULUM

GENERAL COLLEGE REQUIREMENTS

The program of the first two years of the college course is generally diversified, while the last two years are devoted primarily to study in a major field which is chosen at the end of the sophomore year.

Because the College considers experience in certain fields of knowledge essential to a liberal education, it has set a number of special and distribution requirements to be completed by the end of the junior year.

SPECIAL REQUIREMENTS

- (1) Six semester hours in Freshman English, required in the first year.

A few students with exceptionally high entrance records in English will be exempted from the requirement. Such students will be notified of exemption in the summer and may, if they wish, elect a Grade II course in English. A list of courses open to them will be sent with notification of exemption.

Freshmen who do not pass English 11 with a satisfactory grade must work tutorially in sophomore year with the Committee on Special Assistance in Written English.

- (2) Six semester hours in a foreign language. The minimum prerequisite for courses which fulfill the requirement is three entrance units in a language or six hours in college. Courses which fulfill the requirement are marked (L) and are offered in the following departments: Classics, French, German, Italian, Russian, Spanish.

NOTE—A 12 course in a modern language will not fulfill the requirement for students entering with two units in the language.

DISTRIBUTION REQUIREMENTS

- (1) Six semester hours in literature (Group A: Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature). This course must be taken in a language other than the one used to fulfill the foreign language requirement.

Students entering without units in Latin or Greek must fulfill this requirement through courses in classical literature either in the original or in translation.

- (2) Six semester hours in Art, Music, Theatre (Group B) or Philosophy, Religion (Group C).

Students are urged to take six semester hours in each group if possible.

THE CURRICULUM

(3) Six semester hours in History (Group D).

Exemption from this requirement will be granted to students who offer at least three units of the proper content: ancient, American, European (medieval and modern, or modern since 1600), and who pass an examination in one of these fields, administered by the Department after the opening of college.

(4) Six semester hours in Government, Economics, Sociology, or Social Science (Group E).

In rare cases students with preparation in these fields may be granted exemption on the basis of an examination. Application should be made to the Class Dean.

(5) Six semester hours in Astronomy, Chemistry, Geology, Physics, Physical Science (Group F) or Botany, Zoology, Biological Science (Group G).

The courses which may be taken to fulfill these distribution requirements are named at the head of each department offering and specified in the list of Interdepartmental Courses, on p. 49.

THE MAJOR

In the junior and senior years the student devotes half or more of her time to study in a single field selected on the basis of a course or courses taken in the first two years. Major programs, which are offered in all departments except Physical Education and Speech, are described under the department offerings (see pp. 51 ff). When a student enters upon her major she comes under the direction of a major adviser and obtains the approval of that adviser for her major program.

Of the thirty semester hours required in the major at least eighteen must be in courses of Grade III or higher in the field of concentration and of these twelve must be in the department. Students are required to take not less than twelve hours in the major field in each of junior and senior years. Courses taken in sophomore year, exclusive of the basic course, may be counted in the major.

At least six semester hours in the junior or the senior year must be taken in a division other than the one in which the student is majoring.

In the junior and senior years not more than twelve semester hours of Grade I, and not less than twenty-four semester hours above Grade II may be taken for credit toward graduation.

INTERDEPARTMENTAL MAJORS

The curriculum also includes interdepartmental majors in American Studies, General Literature, Bacteriology, Physiological Chemistry, Premedical Science (see pp. 150 ff).

THE CURRICULUM

THE JUNIOR YEAR ABROAD

Students in good standing and with sufficient language training may, if conditions permit, spend the junior year in certain foreign countries in groups directed by members of the Smith College Faculty. The Junior Years in France, Italy, and Spain are intended primarily for language majors, and the Junior Year in Geneva primarily for students majoring in economics, government, history, or sociology. Majors in other fields with adequate preparation in language may apply to the appropriate committees with the consent of the department of the major. Properly prepared students from other colleges may be admitted to the groups.

The Junior Years Abroad are planned to afford as rich an opportunity as possible to observe and study the countries visited. Art, music, and theatre are available, and the Directors arrange occasional meetings with outstanding scholars, writers, and leaders. During the vacations students are free to broaden their acquaintance with the country, although they may stay in residence if they prefer.

Applications, including permissions from parents, must be made by February 15 to the Office of the Dean. The selection of members for each group is determined by a special faculty committee. Candidates should have arranged to complete the distribution requirements by the end of the sophomore year, as well as any special conditions set by the Committees on the Junior Year Abroad. They must also meet the health requirements set by the College Physician.

The Directors of the group are granted by the College full control in matters of behavior and discipline, although the details of group procedure are worked out with student committees. These social regulations are comparable to those which obtain at Smith College but in each case are adapted to the customs of the country. The supervision of the Director ends with the close of the college year.

The fee covering tuition and board is \$1800; travel and incidental expenses vary according to individual tastes and plans. A deposit of \$50 is payable on May 1 by students who have been provisionally accepted. It is credited on the second semester bill and is not refunded unless notice of withdrawal from the group is sent the Office of the Dean before June 1. Payment for the first semester should be made by July 10; for the second semester, by December 10. Checks should be sent to the Treasurer of Smith College, Northampton.

Neither the College nor the Director accepts any responsibility for personal injury to members of a group or for damage to or loss of property. Students are required to carry health and accident insurance which is available through a general college plan.

FRANCE: Arrangements are made for students to live in Paris with carefully selected families. Full-time junior programs consisting of work in French literature, history, art, and other aspects of French culture are planned by the Director. Courses

THE CURRICULUM

are given by professors from the Sorbonne and other institutions. The language requirement for admission to the group is usually two years of college French beyond three entrance units.

ITALY: The work of the year begins with a month in Perugia where intensive study of the language is undertaken at the University for Foreigners and with the Director. After the first of October this study is continued in Florence. About the middle of November the group starts work in classes conducted especially for Smith College by professors of the University of Florence. The subjects offered are Italian art, history, language and literature. In Perugia the students stay in a first-class hotel or pension; in Florence they live in private homes chosen by the Director. The minimum requirement for admission is normally two years of college Italian. By special action of the committee, promising students with only one year of Italian may be accepted.

SPAIN: After a preliminary month of intensive training in language spent in one of the provincial cities, the juniors go to Madrid for the year's course of study. There they live either with carefully selected families or in a residence for University Women. A program consisting of courses in Spanish literature, philosophy, history, and art is planned by the Director and given by professors from the University of Madrid and other institutions. A minimum of two years of college Spanish is the normal requirement for admission.

GENEVA: The work in Geneva emphasizes international studies rather than the history and culture of a single country, and accordingly the group is composed primarily of majors in history, government, economics, and sociology. The program consists of courses in diplomatic and contemporary history, international economics and finance, international law, and similar subjects given at the University of Geneva and the Graduate Institute of International Studies. As the classes are conducted in French, students are expected to have had one year of the language in college beyond at least three entrance units, and all applicants should have at least one course in French in the second semester of sophomore year. Any students who do not fulfill these requirements will be tested for their proficiency in the language. It is strongly urged that work in at least two fields of the social sciences be offered.

EXCHANGE PROGRAM WITH TORONTO

Since 1945 an exchange of students in the junior class with juniors at the University of Toronto has proved to be highly successful. For the year the Smith juniors live in the colleges of the University and carry on programs approved by their major advisers. Candidates from Smith must have demonstrated their ability to do work of Dean's List rating and have the approval of the chairman of their major department. Not more than eight exchanges will be arranged in any year. Regular

THE CURRICULUM

Smith College fees, covering residence and tuition at the University of Toronto, are paid to the Treasurer of Smith College.

AMERICAN COLLEGE COUNCIL FOR SUMMER STUDY ABROAD

Smith College is one of seventeen colleges and universities participating in the program of the American College Council for Summer Study Abroad. Information concerning courses offered may be obtained at the Office of the Dean.

THE DEGREE WITH HONORS

PURPOSE: The honors program is strongly recommended for all juniors and seniors who have achieved or approximated a Dean's List average. This program allows for flexibility in the planning and execution of the work of the major and at the same time gives recognition to students who do work of good quality in the preparation of a long paper, as well as in their courses and units or seminars.

AWARD: The degree is awarded with honors in three grades, *summa cum laude*, *magna cum laude*, and *cum laude*, based on (a) an independent piece of work which may involve the preparation of a long paper or the conduct of an investigation, (b) an estimate of the work in courses and units in the major field made by the department of the major, (c) three final examinations.

If a student fails to be awarded honors she will be granted a degree without honors if her work is of sufficient merit.

ADMISSION: A student having an average of B for the three semesters preceding her application is eligible for honors. Other students may be admitted on the recommendation of the department of the major and with the approval of the Committee on Honors.

Subject to special requirements of individual departments students may enroll at the beginning of either semester of junior year or at the beginning of senior year. They may withdraw only upon recommendation of the department of the major and with the approval of the Committee.

UNITS: Honors units will normally be limited to ten students; exceptions up to the number of twelve may be permitted on the recommendation of the director of honors with the approval of the instructor. Priority among honors students for admission to units will be determined by need and qualifications.

PRIVILEGES: An honors candidate will have the greatest possible elasticity in the arrangement of her program (with the permission of the director she may carry less than fifteen hours) and will be exempt from all course examinations at the end of the senior year. Honors students will be given preference over other undergrad-

THE CURRICULUM

uates when admission to units must be limited, and may be given such preference when admission to seminars must be limited.

ACADEMIC RECORD

Grades are given with the following significations: A, excellent; B, good; C, fair; D, poor; E, failure.

Students are named on the Dean's List when in the previous year they have achieved an average of B or better.

Students who fail to maintain diploma grade or fail to register and attend classes in accordance with the regulations are placed on the Registrar's List. They are subject to special requirements in attendance of classes. Further details concerning the Registrar's List are printed in the *College Handbook*.

A shortage of hours incurred through failure in a course must be made up before graduation by an equivalent amount of work carried above the minimum.

A student whose college work is generally unsatisfactory is subject to exclusion from college.

A student who has failed in the work of five or more hours in two consecutive semesters or in any three semesters, or has failed in the work of ten or more semester hours in a year is excluded from college unless special exception is made by vote of the Administrative Board.

PHI BETA KAPPA

The Zeta of Massachusetts Chapter of the Phi Beta Kappa Society was established at Smith College during the year 1904-05, and the first undergraduates were elected to membership in April. In 1920 provision was made for the election of a small number of juniors. Rules of eligibility are established by the Chapter in accordance with the regulations of the national society.

SOCIETY OF THE SIGMA XI

Smith College was the first woman's college to be granted a charter for the establishment of a chapter of the Society. Each year the Chapter elects to membership promising graduate students and seniors who excel in two or more sciences.

RULES GOVERNING ELECTION OF COURSES

1. Each student is expected to make herself familiar with all regulations governing the curriculum.
2. Certain conditions require the presentation of permission slips or of petitions to the Administrative Board. (A petition to the Board requires the recom-

THE CURRICULUM

mendation of the chairman of the department and of the instructor concerned.) Petition slips may be obtained from the Office of the Class Deans.

(a) Students who wish to enter a course for which they have not had the stated prerequisite must file a petition with the Administrative Board.

(b) Freshmen and sophomores who wish to enter a course of a higher grade than is normally open to their class must file a petition with the Administrative Board. Exceptions in the languages and sciences are made for those students who have the stated requirements.

(c) Juniors not taking honors work who wish to enter a course of Grade IV (including seminars) must have the permission of the department concerned and file a petition with the Board.

(d) Seminars of Grade IV, limited to twelve students, are open to juniors and seniors only by permission of the instructor. Students not candidates for honors are permitted to take only one seminar in a semester.

(e) Special Studies of Grade IV are open only by permission of the department. They are limited to seniors who have had twelve semester hours above Grade I and are majoring in the department concerned.

(f) Grade V courses are open to seniors only if they have a major or its equivalent in the department and if they have at least a B average in that major. Under these conditions they may be admitted by permission. They may not carry more than three hours of Grade V work a semester except in technical art and practical music unless they have special permission from the Administrative Board.

(g) A student may not carry in any semester less than the required minimum of fifteen hours or more than two hours above the required minimum except with the permission of the Administrative Board.

A shortage of hours permitted by the Administrative Board may be made up by a corresponding excess of hours distributed over succeeding semesters.

(h) A year course may not be entered in the middle of the year except with the permission of the Administrative Board and the consent of the department concerned. When a year course is dropped, credit for the first semester is not allowed except with the recommendation of the instructor and the chairman of the department and the permission of the Administrative Board.

3. In each semester of the freshman and sophomore years the student must carry at least four three-hour courses.
4. Changes in courses may be made without fee until September 15. Thereafter changes may be made through the first week of college only at a charge of

THE CURRICULUM

five dollars, unless the change has been initiated by an instructor or is the result of curriculum changes beyond the student's control. Exception is made for freshmen and advanced standing students who may change courses without fee through the first ten days of the first semester.

(a) Requests for these changes should be filed in the Office of the Class Deans.

(b) If changes on the course cards are made necessary by reason of carelessness on the part of the student a fee of two dollars is charged.

(c) Permission to drop hours of work carried above the minimum will not be granted after November 15 for the first semester and after April 3 for the second semester.

5. A student is not allowed to attend a class either as an occasional or a regular auditor except with the permission of the instructor in charge of the course.

Smith College

COURSES OF STUDY

1955-1956

Key to Symbols and Abbreviations

Courses are arranged in five grades indicated by the first digit in the course number. Those of Grade I are primarily for freshmen, those of Grade II for sophomores. Courses of Grade III are for juniors and seniors, but are also open to sophomores when a statement to that effect is included in the description. Grade IV courses are for seniors, honors students, or qualified juniors. Grade V courses are for graduate students.

An "a" after the number of a course indicates that it is given in the first semester; a "b", that it is given in the second semester.

Where no letter follows the number of the course, the course runs through the year.

Unless otherwise indicated, all year courses carry credit of six hours; all semester courses, three hours.

The numerals after the letters indicating days of the week show the scheduled hours of classes. Where scheduled hours are not given for courses or for laboratory work, the times of meeting are arranged after elections are made.

[] Courses in brackets will be omitted for the year.

Dem. indicates demonstration; Lab., laboratory; Lec., lecture; Rec., recitation; Sect., section; Dis., discussion.

An "L" in parentheses at the close of the description of a course in the literature departments indicates that it may be taken to fulfill the foreign literature requirement.

Explanation of marks before instructors' names: †Absent for the year; *absent for the first semester; **absent for the second semester; ‖ with the juniors in France; ‡with the juniors in Spain; § with the juniors in Geneva; † with the juniors in Italy; ¹appointed for the first semester; ² appointed for the second semester.

INTERDEPARTMENTAL COURSES

SOCIAL SCIENCE 192. *An Integrated Study of Modern American Society.* An analysis of major aspects and problems of the contemporary United States. Such topics as social classes, the competitive market, the distribution and use of political power, civil liberties, inflation, and the making of the "American character" are discussed. Methods and materials of economics, political science, and sociology are employed. Open to a limited number of freshmen and sophomores. Lec. M 11; Dis. T W 11, 12. Mr Olmsted (*Director*), Mr Mair, Mr Mallan. (Group E)

PHYSICAL SCIENCE 193. *The World of Atoms.* An introductory study of modern atomic theory by means of relevant aspects of chemistry and physics, including developments of current interest. Emphasis is placed on the logic of science and the nature of the evidence rather than on technical applications. Three lectures and one discussion. Lec. Th F S 9; Dis. W 10, 11. Mr Sherk (*Director*), Mr Kofsky. (Division III)

PHYSICAL SCIENCE 194. *The Earth in Time and Space.* The chemical, physical, and geological nature of the earth and its relation to the solar system and the universe. Theories of the origin of the earth, solar system, and universe. Open to a limited number of freshmen and sophomores. Lecture, three hours; laboratory and demonstration, two hours. Lec. M T W 10; Lab. W 2-4, Th 11-1. Mr Schalk (*Director*), Mr Scott, Mr Soffer, Mr Green, Miss Seitter. (Division III)

BIOLOGICAL SCIENCE 195. *The Living World.* Life as exhibited in the form, function, inheritance, and evolution of living organisms, with special emphasis on the relationship of man to the equilibrium of nature. This course is not open to students who have presented a unit in biology for entrance. Lecture, three hours; Laboratory, two hours. Lec. M T W 9; Lab. W 11-1; Th 11-1, 2-4; F 9-11. Mr Driver and Miss Kemp (*Codirectors*). (Division III)

GENERAL LITERATURE 291. *A Study of Selected Literary Masterpieces from Homer to Tolstoy.* For sophomores and juniors. Lec. W 2. Section meetings M T W 9, 10, 11, 12, 2; W Th F 2; Th F S 10. Mr Arvin (*Director*), Miss Dunn, Miss Muchnic, Mr Fisher, Mrs McKay, Mr Gibian, Mr Petersson, Miss Kallmann, Miss Bacon, Mr Johnson. (Group A)

HISTORY AND SOCIAL SCIENCE 293. *American Ideas and Institutions.* A study of American life and thought through the intensive analysis of four representative

INTERDEPARTMENTAL COURSES

generations from the eighteenth to the twentieth century. The adaptation of American values to changing economic, political, and social conditions. Th F S 10. Miss Kenyon.

[HISTORY AND SOCIAL SCIENCE 294a. *Contemporary India and Its Role in Asia*. This course will focus on the political, economic, and social developments in India since 1947. M T W 9. Mr Overstreet.]

HISTORY AND SOCIAL SCIENCE 295b. *Africa South of the Sahara*. An introductory study of recent political, economic, and social developments. Th F S 11. Miss Carter.

PHYSICAL SCIENCE 391a. *Frontiers of Science*. Development of topics selected to illustrate the spirit of intellectual adventure of modern science: the wave-particle dualism and its implications for modern thought; crystals, atomic architecture, and symmetry in nature; cosmic rays and new particles; a frontier topic in Astronomy. Not open to majors in physical sciences. Prerequisite, completion of the distribution requirement in science. Lectures and discussion with occasional conferences. M T W 12. Miss Mohler (*Director*), Mrs Wrinch, Mr Scott, Mr Green.

BIOLOGICAL SCIENCE 391b. *Frontiers of Science*. A consideration of certain fundamental concepts and recent discoveries, selected from the fields of bacteriology, botany, and zoology, which affect the food status of man, present and future. Not open to students who have taken a college course in botany or zoology. Lectures, demonstrations, and discussions, three hours a week. Mr Wright (*Director*), Miss Smith, Mr de Villafranca.

HUMANITIES 491a. *Metaphor, Symbol, and Myth*. The forms of imaginative association common to poetry, magic, myth, dreams, the unconscious, and the thinking of primitive men and of children. These will be studied in relation to the role of symbols, fictions, and analogies in contemporary literature, art, religion, politics and the social sciences. By permission of the instructor. Th F S 10. Mr Davis.

HUMANITIES, HISTORY AND SOCIAL SCIENCE 493. *Soviet Russia*. A study of political, economic, social, and cultural life in the Soviet Union. Examination of interpretations of Marx in Russia, the interaction between Marxist theory and Russian reality, and the nature of Russian totalitarianism. Limited to 25 students admitted by permission of the codirectors. Recommended background, one of the following courses: History 317a, Russian 26, Russian 35a or b. M T W 2. Miss Muchnic, Mr von Klemperer (*Codirectors*) and members of the Departments of Art, Economics, Government, History, Music, Russian, and Sociology.

ART

PROFESSORS:	CLARENCE KENNEDY, PH.D. OLIVER WATERMAN LARKIN, A.M. †HENRY-RUSSELL HITCHCOCK, A.M. PHYLLIS WILLIAMS LEHMANN, PH.D.
ASSOCIATE PROFESSORS:	PRISCILLA PAINE VAN DER POEL, A.M., <i>Chairman</i> MERVIN JULES H. GEORGE COHEN RUTH WEDGWOOD KENNEDY, A.B.
LECTURER:	ROBERT OWEN PARKS, B.F.A.
VISITING LECTURER:	PRUDENCE ROYCE MYER, A.M.
INSTRUCTORS:	WILLIAM J. COE, A.M. MARTIN R. JONES, M.C.D. LEONARD BASKIN, B.A. THOMAS J. MCCORMICK, JR., M.F.A. ROY HOWARD BROWN, A.B. MARGARET EMILY DORKEY, A.B. DAVID CAREW HUNTINGTON, M.A.

The courses in art which may be taken to fulfill the distribution requirements in Group B are 11, 31, 35, 13.

Students planning to major or to do honors work in art will find that courses in literature, philosophy, religion, and history taken in the first two years will prove valuable. Botany 11 and 27 are recommended to students who have a special interest in landscape architecture.

A. Historical Courses

Each of the historical courses may include one or more trips to Boston, New York, or the vicinity for the study of original works of art.

A reading knowledge of foreign languages, especially German, Italian, and French, is urgently recommended.

- 11 ¶ *Introduction to the History of Art.* Important works of art, from ancient Egypt to the present (including painting, sculpture, and architecture), are studied historically and analytically. Illustrated lectures are given by members of the department, followed by discussions in small groups. W Th F 3; discussion meeting, choice of M 11, 12, 3; T 12, 3; W 11, 12; Th 10, 12; F 10, 11; S 10. Members of the Department. Mr Coe, *Director*.

ART

- 31 *The Art of Greece and Rome.* Architecture, sculpture, painting, and the minor arts as conditioned by social, intellectual, and religious history from the pre-historic background to the late antecedents of Christian art. Open to sophomores. Th F S 9. Mrs Lehmann.
- 33b *Mediaeval Art.* Early Christian, Byzantine, Romanesque, and Gothic architecture, sculpture, illuminated manuscripts, and painting. Open to sophomores. Recommended background, 11 or History 11. Th F S 11. Mrs Lehmann.
- 34a *Northern Art.* Flemish, French, and German art from the fourteenth through the sixteenth century. Open to sophomores. Recommended background, 11. M T W 9. Mr Coe.
- 35 *The Art of the Italian Renaissance.* Development of the arts in Italy from 1290 to 1594, with special emphasis on their interrelationships and on the emergence of a consistent theory of art. Lectures, problems, and field trips. Open to sophomores. Recommended background, 11 or History 11. M T W 11. Mr Kennedy and Mrs Kennedy.
- 37a *The Medici as Patrons of Art.* Open to sophomores by permission of the instructor. Th 4-6, F 4. Mr Kennedy.
- 37b *Raphael and the Renaissance in Rome.* Open to sophomores by permission of the instructor. M 4, T 4-6. Mrs Kennedy.
- 311a *Italian Art of the Seventeenth and Eighteenth Centuries.* A study of the major artists of Italy in the Baroque period. Open to sophomores. Recommended background, 11. Th F S 10. Mr McCormick.
- 311b *Art in Northern Europe, France, and Spain in the Seventeenth and Eighteenth Centuries.* Open to sophomores. Recommended background, 11. Th F S 10. Mr McCormick.
- 313a *The Arts in America.* The colonial period through the years of the expanding republic, with emphasis on painting and sculpture as an expression of thought and taste. Recommended background, 11 or a course in American history. Th F S 12. Mr Larkin.
- 313b *The Arts in America.* The Civil War to the present. Recommended background, 11 or a course in American history. Th F S 12. Mr Larkin.
- 315 *Modern Art.* Contemporary art and its backgrounds. Recommended background, 11. M T W 10. Mrs Van der Poel.

- 316a *Oriental Art.* Painting, sculpture, and architecture of India, and its influence on the neighboring regions of southeast Asia, with emphasis on Buddhist and Hindu traditions. Open to sophomores by permission of the instructor. M 2, T 2-4. Miss Myer.
- 316b *Oriental Art.* Chinese and Japanese painting, sculpture, and architecture from prehistoric times to the present; native traditions and foreign influences. Open to sophomores by permission of the instructor. M 2, T 2-4. Miss Myer.
- [321 *Decorative Styles.* Choice of papers or projects in interior design. Open to sophomores. Not open to students who have taken 322a with which this course alternates. M T W 12. Mrs Van der Poel.]
- 322a *Decorative Styles.* A survey of European and American thought and taste as expressed in interior design, furniture, and textiles from the mediaeval period to the present. Open to sophomores. Not open to students who have taken 321 with which this course alternates. M T W 12. Mrs Van der Poel.
- [326 *American Architecture and Its English Background from the Seventeenth through the Nineteenth Century.* Late Mediaeval, Stuart, Georgian, and Victorian building. Recommended background, 11 or 239. Open to sophomores by permission of the instructor. M T W 2. Mr Hitchcock.]
- [327 *Modern Architecture and Its Immediate Background.* Architecture of the last hundred years with particular emphasis on the work of H. H. Richardson, Louis Sullivan, Frank Lloyd Wright, and the European architects of the so-called "International Style." Recommended background, 11, 239, or 326. Open to sophomores by permission of the instructor. M T W 2. Mr Hitchcock.]
- 40b Members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours of art above Grade I. *Two or three hours.*

SEMINARS

- 42a *American Painting.* Open only to seniors. Th 7:30. Mr Larkin.
- 42b *Criticism of Art.* Principles and practice of analyzing, interpreting, and judging works of art. Open only to senior art majors. Th 7:30. Mr Larkin.
- [43a *Greek Sculpture.* Alternates with 44a. By permission of the instructor. T 7:30-10. Mrs Lehmann.]

ART

- 44a *The Antique and the Italian Renaissance.* The survival and rediscovery of ancient works of art and their influence on such Italian Renaissance artists as Alberti, Mantegna, Raphael, Michelangelo, Titian, Palladio. Alternates with 43a. T 7:30-10. Mrs Kennedy and Mrs Lehmann.
- [46b *The Renaissance in Italy and Its Reflection in Art.* Open to junior and senior majors in art and history. T 3-5:30. Miss Gabel and Mrs Kennedy.]
- 47a *Romanesque Sculpture.* By permission of the instructor. M 7:30. Mr Coe.
- 48b *Nineteenth- and Twentieth-Century Painting.* Given in alternate years. For junior and senior honors students and other qualified seniors. T 7:30-10. Mrs Van der Poel.
- 49b *Northern Painting.* By permission of the instructor. W 7:30. Mr Coe.
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51, 51a, 51b Advanced Studies. *One hour or more.*
- 55 *Art of the Italian Renaissance.* Mr Kennedy and Mrs Kennedy.
- 57a, 57b *Modern Art.*

For further information about graduate work in art, application should be made to the Chairman of the Department. Adviser of graduate study: Mrs Kennedy.

B. Studio Courses

A fee is charged for materials in 13, 335a and b, 336a and b, 342b.

- 13 *Introduction to the Theory and Practice of Art.* Appreciation and understanding of the basic principles underlying the structure of the arts, through studio practice in handling the elements of color, volume, movement, space, line, and texture. Lectures, demonstrations, films, discussion, and workshop experiments. M 9; eight studio hours of which four must be T W 9-11, 2-4; Th F 10-12. Mr Jules, *Director.*
- 210a *Drawing and Pictorial Organization.* Analysis of form in line and tone; and projects in composition, using various techniques of drawing. Prerequisite, 13 or permission of the instructor. Nine studio hours of which six must be M T W 10-12. Mr Jules.
- 210b *Intermediate Painting.* Experimentation with color and the techniques and expressive possibilities of various painting media. Prerequisite, 210a or 335a or

336a, or permission of the instructor. Nine studio hours of which six must be M T W 10-12. Mr Cohen.

- 239 *Introduction to Architecture and Landscape*. Instruction in drafting, perspective, lettering, and surveying together with elementary planning and design problems in both fields. Students must consult the instructor before enrolling. Th F 2-5. Mr Jones.
- 312a *Sculpture*. Methods of stone carving. Open to sophomores by permission of the instructor. Prerequisite, 13. Nine studio hours of which six must be M T 2-5. Mr Baskin.
- 312b *Sculpture*. Further work in stone carving; methods of wood carving. Open to sophomores by permission of the instructor. Prerequisite, 312a. Nine studio hours of which six must be M T 2-5. Mr Baskin.
- 331a *Advanced Painting*. Problems in pictorial organization with emphasis on oil painting. Prerequisite, 210b or 335b or 336b. Nine studio hours of which six must be Th F 2-5. Mr Cohen.
- 331b *Advanced Painting*. Individual expression in painting, using various media. Prerequisite, 331a or permission of the instructor. Nine studio hours of which six must be Th F 2-5. Mr Jules.
- [335a *Design Workshop*. Advanced studio projects in advertising design, textiles, three-dimensional objects, and related fields. Open to sophomores. Prerequisite, 13 or permission of the instructor. Nine studio hours of which six must be M T 2-5.]
- [335b *Design Workshop*. Continuation of 335a with specialized individual projects. Open to sophomores. Prerequisite, 13, 335a or permission of the instructor. Nine studio hours of which six must be M T 2-5.]
- 336a *Graphic Arts*. Methods of print-making. Open to sophomores. Prerequisite, 13. Nine hours of which six must be M T W 10-12. Mr Baskin.
- 336b *Graphic Arts*. Continuation of 336a. Open to sophomores. Prerequisite, 336a or permission of the instructor. Nine hours of which six must be M T W 10-12. Mr Baskin.
- 339 *Architecture*. Further problems in planning and design together with instruction in elementary construction. Prerequisite, 239. M T 2-5. Mr Jones.

ART

- 341 *Landscape Architecture.* Advanced problems in landscape design. Prerequisite, 239. Mr Jones.
- 342b *The Art of Photography.* A study of the effect of light and perspective on form. Lectures, demonstrations, and practice based on the use of one-minute positive cameras which, with film, will be available for student use. W 2-4, practice hours to be arranged. Mr Kennedy.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in art. *Two or three hours.*
- 510 *Architecture.*
- 512 *Landscape Architecture.*
- 513a, 513b *Painting, Sculpture, Design, or Graphic Arts.* Members of the Department.

THE MAJOR

Advisers: Mr Larkin, Mrs Van der Poel, Mr Jules, Mr Coe.

Based on 11 or 13. If the major is based on 13, 11 must also be taken.

Essential Courses: 40b and eighteen semester hours in art of which at least nine must be from Division A.

Optional Courses: other courses in art; Philosophy 33; closely related courses in other fields.

HONORS

Director: Mrs Lehmann.

Prerequisite: 11

Program: an arrangement, approved by the director, of courses and seminars (or special studies) in art and related fields in preparation for general examinations. In the senior year the candidate will present a long paper for the first semester and spend three hours in a review unit during the second term.

Examinations: one general examination; one based on specific fields; one testing the candidate's ability to analyze and interpret original works of art.

ASTRONOMY

VISITING LECTURER:

WARREN KIMBALL GREEN, PH.D.

INSTRUCTOR:

WALTRAUT CAROLA SEITTER, A.M., *Chairman*

Among the courses which may be taken to fulfill the distribution requirement in Division III are Astronomy 11 and Physical Science 194.

Students planning to major or to do honors work in astronomy should consult with the Department before the beginning of the second semester of the sophomore year. The research facilities of the Amherst College Observatory will be available to students of Smith College who are majoring or doing honors work in astronomy.

- 11 *Introduction to Astronomy.* The development of the modern concepts of the motions and physical characteristics of the members of the solar and stellar systems will be traced from the past to the present time. General principles rather than details will be stressed. Observations of the constellations and individual objects. Lectures and discussion, three hours; laboratory and observing, two hours. Miss Seitter. Th F S 10.
- 21b *Descriptive Astronomy.* Designed to give a general knowledge of the field. Opportunity for learning the constellations and for using the telescopes. For students who have not taken 11. Miss Seitter.
- 22a *Observatory Practice.* Training in the use of visual and photographic telescopes and other equipment. Observations of sunspots, lunar and planetary detail, occultations, variable stars, other telescopic objects. Collateral reading. Recitation and conference, three hours; observing and laboratory, four hours. Miss Seitter.
- 23b *Variable Stars.* Physical characteristics of the various types. Discussion of methods of observation and of obtaining periods and light curves. Miss Seitter.
- 24b *Celestial Marine and Air Navigation.* Theory and practice in the determination of position on the earth, primarily from observations of celestial bodies. Prerequisite, the first semester of Mathematics 12 or trigonometry presented for entrance. Recitation and discussion, two hours; observing and laboratory, three hours. Mr Green.
- [31a *Spherical and Practical Astronomy.* Theory and use of transit instrument for determination of time, latitude, and instrumental corrections. Prerequisites, 11 or the equivalent and Mathematics 12 or 13. Recitation and conference, two hours; observing and laboratory, four hours.]

ASTRONOMY

- [31b *Spherical and Practical Astronomy*. Theory and use of the equatorial telescope. Determination of positions by means of photographic plates and the filar micrometer. Least squares. Prerequisite, 31a. Recitation and conference, two hours; observing and laboratory, two hours.]
- 34a *Introduction to Astrophysics*. Analysis of the light of the sun and stars. For students who have had approved courses in astronomy, physics, chemistry, or Physical Science 193 or 194. Miss Seitter.
- 34b *Astrophysics and Stellar Astronomy*. Special problems of stars and galaxies, including motions and statistical methods of handling observational material. Prerequisite: see 34a. Miss Seitter.
- [35 *Determination of Orbits*. Methods of computing orbits of comets and planets. Theory and practice. Prerequisites, 11 and Mathematics 21a and b or 22a and b.]
- 40b Synoptic Course designed to correlate the work in the major field.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in astronomy. *Two or three hours.*
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51a, 51b Special problems in astrophysics, practical astronomy, or celestial mechanics. *Three hours or more.*
- Adviser of graduate study: Mr Green.

THE MAJOR

Adviser: Miss Seitter.

Based on 11, or an approved combination from 21b, 22a, Physical Science 194. Essential Courses: 31a, 31b, 34a, 40b; Mathematics 21a and b or 22a and b.

Optional Courses: other courses in astronomy except 24b; other courses in mathematics above Grade I; courses in physics, chemistry, or geology.

HONORS

Director: Miss Seitter.

Prerequisites: 11; Physics 11 or its equivalent.

Program:

Essential Courses: 31a, 31b, 34a, 34b; Mathematics 21a and b, or 22a and b.

Optional: courses or units in astronomy, mathematics, or physics, chemistry with the approval of the director.

Half of the work of first semester of senior year will be spent on a paper in the field of astrophysics, or on a problem in the field of practical astronomy or celestial mechanics; one fourth of the second semester will be spent in review for the examinations.

Examinations: two general examinations covering the fields of general astronomy, astrophysics, practical astronomy, physics, mathematics; one in the field of concentration, which may be a partly practical examination involving techniques and manipulation of instruments.

BACTERIOLOGY AND PUBLIC HEALTH

PROFESSORS:	MARION FRANCES BOOTH, A.B., B.S.C., M.D., College Physician, <i>Chairman</i>
	ELINOR VAN DORN SMITH, PH.D., <i>Subchairman</i>
ASSOCIATE PROFESSOR:	FRANCES CAMPBELL MCINNES, A.M., M.D.
ASSISTANT PROFESSORS:	ELIZABETH DOROTHY ROBINTON, PH.D.
	ANNE ELIZABETH VAN DYKE, B.A., M.D.
	MARY FRANCES BROWN, A.M., M.D.
INSTRUCTOR:	JOHN T. REYNOLDS, M.S.
TEACHING FELLOW:	LOUISE R. ELLIOT, B.S.

BACTERIOLOGY

Students planning to major in Bacteriology are advised to take Chemistry 11 and a course in Bacteriology or Zoology before the junior year.

22 *General Bacteriology.* A systematic study of representative groups of bacteria with emphasis on their relation to domestic, economic, and public health problems. Prerequisite, Chemistry 11. Two lectures and two two-hour laboratory periods. Lec. M T 10; Lab. M W 2; Th F 2. Miss Robinton, Mr Reynolds.

[27a *General Microbiology.* Outline of the biological relationships of microorganisms to higher forms of life and the interrelationships among microorganisms. Lectures and demonstrations. M T W 12. Mr Reynolds.]

27b *Microorganisms of Importance to Man.* A study of microbial activities in relation to the life of the individual and the community. Prerequisite, 27a. Lectures and demonstrations. M T W 12. Mr Reynolds.

BACTERIOLOGY AND PUBLIC HEALTH

- 34 *Advanced Bacteriology and Serology*. Basic theories and applications of bacteriological and serological methods for the identification of pathogenic bacteria. Prerequisite, 22. One lecture and five hours of laboratory. Lec. Th 2; Lab. Th 3-5, F 2-5. Miss Smith.
- 40b *Microbiology and Serology in the Twentieth Century*. Readings and discussion. Miss Smith, Miss Robinton.
- 41, 41a, 41b Special Studies in bacteriology and serology. By permission of the Department for senior majors who have had twelve semester hours in essential courses in the major above Grade I. *Two or three hours*.
- 42b *Pathogenic Fungi and Antibiotics*. Systematic studies of the higher bacteria and fungi of medical importance. Prerequisites, 22 and first semester of 34 or Botany 34a. Two lectures and two two-hour laboratory periods. Miss Robinton.
- 43a *Seminar in Backgrounds of Bacteriology*. A survey of the discoveries and developments in scientific thinking which culminated in the science of bacteriology. Prerequisite, 22 or 27b. Miss Robinton.
- 44b *Journal Seminar*. A study of source materials including current periodicals in bacteriology and immunology. By permission of the instructors for students who have passed or are taking 34. *One hour*. Miss Smith, Miss Robinton.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51a, 51b Advanced Studies. *One hour or more*.
- 55a, 55b *Problems in Bacteriology and Serology*. *Two hours or more*. Miss Smith, Miss Robinton.
- 56b *Problems in Pathogenic Fungi and Antibiotics*. *Two hours or more*. Miss Robinton.

PUBLIC HEALTH

- [12b *Elementary Community Health*. A study of community health problems, including a discussion of preventable diseases and environmental health hazards, together with modern methods and official agencies for their control. Optional field trips.]

BACTERIOLOGY AND PUBLIC HEALTH

[21a *Modern Public Health Movements.* Survey of the developing concept of public health since the eighteenth century, with consideration of the functions of official and nonofficial agencies; detailed study of major modern problems of public health; discussion of recent proposals for the socialization of medical care. Two afternoon field trips will be required. Miss Robinton.]

53b *Health Education.* Special problems of personal and environmental hygiene applying to the physical activity, growth, and health of school children, and to school buildings and playgrounds. For graduate students in physical education, or by permission of the instructor. Miss Robinton.

Adviser of graduate study: Miss Robinton.

INTERDEPARTMENTAL MAJOR IN BACTERIOLOGY

Adviser to the major: Miss Robinton.

Essential Courses: Chemistry 11, 21, 31; Bacteriology 22, 34, 40b; Zoology 12 or 22.

Optional Courses: courses in chemistry, bacteriology, physics, zoology, or mathematics approved by the adviser.

HONORS

Director: Miss Smith.

Prerequisites, normally taken before junior year: Bacteriology 22; Chemistry 21; Zoology 12 or 22.

Program:

Requirements: Bacteriology 34, 43a; Chemistry 31; three hours throughout senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, zoology, bacteriology, physics, or mathematics approved by the director.

Examinations: one in chemistry, one in bacteriology, one selected according to the student's program.

BOTANY

ASSOCIATE PROFESSORS: SARA BACHE-WIIG, PH.D., *Chairman*

MARGARET KEMP, PH.D.

KENNETH E. WRIGHT, PH.D.

HORTICULTURIST: WILLIAM I. P. CAMPBELL

ASSISTANT: MARTHA C. LIVINGSTON, M.A.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Botany 11 and Biological Science 195.

BOTANY

Students planning to major in botany are advised to have a knowledge of general zoology or chemistry and a reading knowledge of German or French. See the honors program for additional preparation required.

Unless otherwise stated the prerequisite for all courses above Grade I is 11, Biological Science 195, or permission of the instructor.

- 11 *General Botany*. A study of the life processes and structure of seed plants with emphasis upon their relationship to the needs of man. A survey of representative types of other green and nongreen plants; reproduction, heredity, evolution. Two lectures and two two-hour laboratory periods. Lec. Th F 12; Lab. M T 9, 11, 2; Th F 9, 2. Miss Bache-Wiig, Mr Wright (*Director*), Mrs Livingston.
- 22a *Economic Botany*. Plants useful to man as a source of food, spices, beverages, drugs, shelter, fuel, textiles, and the raw materials of many industries. Two lectures and one two-hour laboratory period. Th F 9-11. Miss Kemp.
- [22b *Field and Forest Botany*. A study of ferns and flowering plants of the Northampton region. Principles of classification. Field trips in the spring. One lecture and five hours of laboratory or field work. Th F 2-5. Miss Bache-Wiig.]
- 27 *Horticulture*. Theory and practice of plant cultivation and improvement, with a study of the species commonly cultivated and the preparation of gardens. Two lectures and two two-hour laboratory periods. Th F 10-1. Mr Campbell.
- [31a *Comparative Morphology of Lower Vascular Plants*. The vegetative and reproductive structures and evolutionary development of living and extinct ferns and fern allies, preceded by a brief study of liverworts and mosses. Offered in alternate years. One lecture and five hours of laboratory. M T 2-5. Miss Kemp.]
- 31b *Comparative Morphology of Higher Vascular Plants*. The vegetative and reproductive structures and evolutionary development of the Gymnosperms and Angiosperms. Two lectures and four hours of laboratory. Th F 9-12. Miss Kemp.
- 32a *Microtechnique*. Methods used in the preparation of various plant materials for microscopic study. Offered in alternate years. Six hours of laboratory. M T 2-5. Miss Bache-Wiig.

- [33a *Plant Breeding*. The principles and problems of inheritance in plants and the methods by which man obtains new varieties. Offered in alternate years. M T W 10. Mr Wright.]
- 33b *Plant Geography*. Climate and climatic plant formations of the world. Problems of distribution in relation to migration and barriers. Two lectures and one recitation. M T W 10. Miss Bache-Wiig.
- [34a *Mycology*. The structure, life history, and habitat of representative species of the fungi, with emphasis on theories of origin and relationship. Prerequisite, 11 or Bacteriology 22. This course and Bacteriology 22 may serve as prerequisites for Bacteriology 42b. Offered in alternate years. One lecture and five hours of laboratory. Th F 9-12. Miss Bache-Wiig.]
- 35 *Plant Physiology*. A study of plant processes and functions. Offered in alternate years. Two lectures and two two-hour laboratory periods. M T W 11-1. Mr Wright.
- 40a A paper correlating material from several fields of Botany. Members of the Department.
- 41, 41a, 41b Special Studies: work in morphology, anatomy, physiology, taxonomy, ecology, mycology, pathology. By permission of the Department for senior majors who have had twelve semester hours in botany above Grade I. *Two or three hours.*
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51, 51a, 51b Advanced studies in the fields of morphology, anatomy, physiology, taxonomy, mycology, arranged in consultation with the adviser of graduate work. *One hour or more.* Miss Bache-Wiig, Miss Kemp, Mr Wright.
- 52a, 52b Selected problems in a specific field of botany assigned for investigation, experimental work, and discussion. *One hour or more.*
- 56a, 56b Seminar on recent advances and current problems in botany. Selected topics for reading and individual reports. *One hour.* Members of the Department.

Adviser of graduate study: Mr Wright.

BOTANY

THE MAJOR

Adviser: Miss Kemp.

Based on 11 or Biological Science 195.

Essential Courses: 40b and eighteen hours in botany of which at least twelve must be above Grade II.

Optional Courses: other courses in botany above Grade I; courses in bacteriology, chemistry, geology, physics, and zoology.

HONORS

Director: Miss Bache-Wiig.

Prerequisites: 11; Chemistry (one year in preparatory school or college).

Program:

Requirements: 22b (taken before junior year if possible); 31a, 31b, 35; six h of Grade IV or V in botany, involving a problem and a paper; three h directed reading and review.

Optional: courses approved by the director.

Examinations: a general examination covering major fields of botany; one in tification and interpretation of materials and in application of techniques; in the special field of the candidate.

CHEMISTRY

PROFESSORS:	**C. PAULINE BURT, PH.D., SC.D. (HON.) KENNETH WAYNE SHERK, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSORS:	MILTON DAVID SOFFER, PH.D. GEORGE STONE DURHAM, PH.D.
INSTRUCTORS:	ROBERT ELIOT MARTIN, PH.D. BEATRICE E. GUSHEE, M.S.
LABORATORY INSTRUCTOR:	MAE LUCILLE BECK, A.M.
RESEARCH FELLOW:	MARTHA LOIS CORNETT, A.B.
TEACHING FELLOW:	KALLIOPE KLOTSAS, B.A.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Chemistry 11 and Physical Science 193, 194.

Students who are planning to major in chemistry should elect 11 in freshman. They are advised to complete Mathematics 12 or 13 the first year. For additional preparation for honors work see that program.

- 11 *General Chemistry*. An introduction to the chemistry of the more common elements and their compounds based upon modern theories of atomic and molecular structure. Two lectures, one recitation, and one three-hour laboratory period. Lec. M T 12; Dis. W 12; Lab. T Th F 2. Mr Sherk, Mr Soffer, Mr Durham, Mr Martin, Miss Gushee, Miss Beck.

CHEMISTRY

- 21 *Qualitative and Quantitative Analysis.* Cation and anion analysis using semi-microtechnique. Standard volumetric and gravimetric methods of analysis. Prerequisite, 11. Two lectures and two two-hour laboratory periods. Lec. Th F 12; Lab. M T 2, Th F 2. Mr Martin, Miss Klotsas.
- 31 *Organic Chemistry.* A systematic study of aliphatic and aromatic reactions. The fundamental course for all majors in sciences requiring organic chemistry. Prerequisite, 11; open to sophomores by permission of the instructor. Two lectures, one discussion, and one three-hour laboratory period. Lec. and Dis. M T W 12; Lab. M T 2. Miss Burt, Miss Beck, first semester; Mr Soffer, Miss Beck, second semester.
- Advanced Inorganic Chemistry.* Selected topics with emphasis on structural considerations. Laboratory practice in procedures of inorganic synthesis. Prerequisite, 21. Two lectures and one three-hour laboratory period. Lec. Th F 1; Lab. M 2. Miss Gushee.
- Instrumental Methods.* A theoretical and practical study of the applications of various optical and electrical instruments to problems of analysis and structure. Prerequisite, 21. One lecture and six hours of laboratory. Mr Durham, Miss Gushee.
- Integrating Paper.* Members of the Department.
- 41a, 41b Special Studies.* By permission of the Department for senior majors who have had twelve semester hours above Grade I in chemistry. *Two or three hours.*
- Biochemistry.* Advanced organic chemistry of biological products. Prerequisite, 11. Two lectures and one three-hour laboratory period. Lec. M T 11; Lab. Th 2. Miss Burt, Miss Beck.
- Medicinal Chemistry.* Advanced organic chemistry of natural and synthetic compounds used in medicine. Prerequisite, 31. Two lectures and one three-hour laboratory period. Lec. M T 11; Lab. Th 2. Miss Burt, Mr Soffer.]
- Physical Chemistry.* Theoretical chemistry, including the properties of matter in various states, thermodynamics, equilibrium, kinetics and electrochemistry. For students who have passed 21 and have passed or are taking 31, Physics 11, and Mathematics 12. Two lectures, discussion, and one three-hour laboratory period. Lec. and Dis. M T W 10; Lab. M or T 2. Mr Durham.

CHEMISTRY

- 45a *Organic Qualitative Analysis*. The separation, characterization, and identification of organic substances; theory and practice. Prerequisite, 31. One lecture and two three-hour laboratory periods. Lec. hour to be arranged; Lab. Th F 2. Mr Soffer.
- 46b *Modern Structural Theories*. Study of modern theories of atomic and molecular structure and their relation to physical and chemical properties. Prerequisites, 31, 34a, or permission of the instructor. Mr Sherk.

Graduate Courses

These courses are designed mainly for graduate students, but, with the proper prerequisites, are open to seniors by permission. It is suggested that a senior majoring in chemistry take at least one of these courses.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Special Studies. (1) Advanced Organic Preparations; (2) Quantum Chemistry; (3) Contemporary Literature; (4) Heterocyclic Natural Products; (5) Theory of Solutions; (6) Electrochemistry. *One hour or more.*

55a *Chemical Thermodynamics*. Prerequisites, 31 and 43 or their equivalents. Mr Martin.

55b *Chemical Kinetics*. Prerequisites, 31 and 43 or their equivalents. Mr Martin.

[58a *Advanced Organic Chemistry*. A systematic study of reactions. Mr Soffer.]

59b *Carbocyclic Natural Products*. The chemistry of terpenic and steroid substances, with particular emphasis upon methods of structural investigation and synthesis. Lectures and discussion. Mr Soffer.

Adviser of graduate study: Mr Soffer.

THE MAJOR

Adviser: Mr Sherk.

Based on 21.

Essential Courses: 31, 34a, 40b, 43, and three additional semester hours in chemistry. Six hours in physics. In the senior year at least twelve semester hours must be taken in the Department.

CHEMISTRY

Recommended Courses: Mathematics 21a or 22a.

Optional Courses: courses in chemistry above Grade II, Geology 24a, Bacteriology 22, 34; Zoology 32; courses in mathematics and physics with the approval of the adviser.

The program recommended above meets the requirements of the American Chemical Society for eligibility for professional standing.

HONORS

Director: Mr Sherk.

Prerequisite: 21.

Program:

Essential Courses: 31, 34a, 43, and six additional semester hours in chemistry.

Six semester hours in physics and Mathematics 12 or 13 are required unless taken previously. Three semester hours throughout the senior year will be spent on an individual problem, paper, and review.

Examinations: one in inorganic chemistry; one in organic chemistry and related subjects; one in analytical and physical chemistry.

CLASSICAL LANGUAGES AND LITERATURES

ASSOCIATE PROFESSOR:

GEORGE E. DIMOCK, JR., PH.D., *Chairman*

INSTRUCTORS:

HELEN H. BACON, PH.D.

HARLAND A. CARTER, JR., M.A.

The courses in the Department which may be taken to fulfill the distribution requirement in Group A are Greek 12a and b, 21a, 22b, 23a, 24b, Latin 14a and b, Classics 28, and 18a in combination with 18b or 29b.

Students planning to major in classics are advised to take relevant courses in other departments, such as art, history, and philosophy.

GREEK

The prerequisite for courses of Grade III is 22b or 24b, or permission of the instructor.

11 *Elementary Course.* Introduction to the language; selections from Attic authors. Five class hours: M T W Th F 10. Miss Bacon.

12a *Plato: Apology and Crito.* Prerequisite, two units in Greek or 11. Mr Dimock. (L)

CLASSICAL LANGUAGES & LITERATURES

12b *Selections from Homer*. Prerequisite, 12a. Mr Carter. (L)

[16 *Prose Composition*. Prerequisite, two units in Greek or 11. *One hour each semester.*]

21a *The Drama. Euripides and Sophocles*. Prerequisite, 12b or three units in Greek. Mr Carter. (L)

22b *Homer, Advanced Course*. Prerequisite, 21a or its equivalent. Mr Dimock. (L)

[23a *Herodotus*. Prerequisite, three units in Greek or 12b. (L)]

[24b *The Drama: Aeschylus and Aristophanes*. Prerequisite, 23a or its equivalent. (L)]

[31a *Greek Historians*.]

[32b *Drama, Advanced Course*.]

33a *Selections from Lyric and Pastoral Poets*. Mr Dimock.

34b *Plato, Advanced Course*. Mr Dimock.

41, 41a, 41b Special Studies. By permission of the Department for majors who have had twelve semester hours above Grade I in the Department. *Two or three hours*.

Religion 25b *Greek New Testament*.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51a, 51b Advanced studies in Greek literature arranged on consultation. *One hour or more*.

Adviser of graduate study: Mr Dimock.

LATIN

The prerequisite for courses of Grade III is 14b.

12a *Selections from Livy and Ovid*. Prerequisite, two units in Latin. Th F S 10. Mr Carter. (L)

CLASSICAL LANGUAGES & LITERATURES

12b *Vergil, Selections from Aeneid I-VI.* Prerequisite, 12a or permission of the instructor. Th F S 10. Mr Carter. (L)

14a *Catullus; Selections from Cicero.* Prerequisite, three units in Latin. Th F S 11. Mr Carter. (L)

14b *Vergil, Eclogues; Horace, Odes and Epodes.* Prerequisite, 14a or permission of the instructor. Th F S 11. Mr Dimock. (L)

[21a *Medieval Latin.* Permission of the instructor.]

[22a *Latin Comedy.* Permission of the instructor.]

26 *Prose Composition.* Prerequisite, 14b or permission of the instructor. *One hour each semester.* Mr Carter.

[31a *Latin Historians.* To be given 1957-58.]

[32b *Roman Elegiac Poetry.* To be given 1957-58.]

[33a *Roman Satire.* To be given 1956-57.]

[34b *Silver Latin.* To be given 1956-57.]

35a *Cicero, Advanced Course.* Mr Dimock.

36b *Lucretius.*

41, 41a, 41b Special Studies. By permission of the Department for majors who have had twelve semester hours above Grade I in the Department. *Two or three hours.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Advanced studies in Latin literature arranged on consultation. *One hour or more.*

Adviser of graduate study: Miss Bacon.

CLASSICAL LANGUAGES & LITERATURES

CLASSICS

- 18a *Masterpieces of Greek Literature in Translation.* Th F S 11. Mr Dimock.
- 18b *Masterpieces of Latin Literature in Translation.* Th F S 11. Mr Carter.
- 28 *Classical Backgrounds of English Literature.* Not open to students who have taken 18a or 18b. M T W 12. Miss Bacon.
- 29b *Ancient Drama in Translation.* Th F S 10. Mr Dimock.
- 40b Review Unit. Required of all majors in the Department.

THE MAJOR IN CLASSICS

Advisers: Miss Bacon, Mr Dimock.

Based on Greek 11 and Latin 14a and b (or, by permission of the adviser, Latin 12b).
Essential Courses: Greek 16, Latin 26, Classics 40b, eighteen semester hours chosen from Greek 21a, 22b, 23a, 24b, 31a, 32b, 33a, 34b, Latin 22a, 31a, 32b, 33a, 34b, 35a, 36b.

Optional Courses: other courses in Greek; courses in Latin above Grade I; allied courses in other departments.

A major in Greek or in Latin may be arranged on consultation with the chairman.

HONORS

Director: Miss Bacon.

Program: to be arranged with the director.

Examinations: one will test the candidate's ability to read Greek and Latin; one, her general knowledge of Greek and Latin literature and classical culture; and one, her mastery of her field of concentration.

Units

The Department will offer units for honors students in classics or in other departments.

ECONOMICS

PROFESSOR:	DOROTHY CAROLIN BACON, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	STANLEY CURTIS ROSS, A.B., LL.D.
ASSISTANT PROFESSORS:	GEORGE FISK MAIR, A.M. HENRY LAURENCE MILLER, JR., A.M., B.A. (OXON.) KENNETH HALL MCCARTNEY, M.A.
INSTRUCTOR:	NELSON DWYER MCCLUNG, M.A.

Among the courses which may be taken to fulfill the distribution requirement in Group E are Economics 21, Social Science 192.

21 or 22a is the prerequisite for 31a, 32b, 33, 35, 312, 315a and b.

- 21 *The Structure and Functioning of the American Economy.* An introduction to economic principles through the study of economic institutions and problems, including such topics as the production and distribution of goods, the value of money, the level of employment and income, and international trade. Open to freshmen by permission. Lec. W 10. Sect. M T 10; Th F 10, 11. Miss Bacon (*Director*) and members of the Department.
- 22a *Basic Economics.* A study of the economic factors that determine how and to what extent the resources and manpower of the country are used to produce goods and services. Open only to students who have passed Social Science 192. M T W 10. Mr Mair.
- 23b *Principles of Accounting.* The theory of debits and credits. The organization and use of accounting records, the construction and interpretation of balance sheets and of statements of revenue and expense, and selected special topics. Two class hours and one two-hour laboratory period. Th F 12, F 3-5. Mr McClung.
- 28a *Basic Statistics.* Tabulation, graphic presentation, averages, measures of dispersion, simple correlation, and sampling. Lec. Th F 2; two laboratory sections, M 3-5, W 2-4, Th 3-5, F 3-5. Mr Ross, Mr McCartney.
- 29 *Development of Western Economic Society.* Introduction to the study of economic development in Europe and the United States, eighteenth century to the present. Emphasis on evolution of basic economic institutions and behavior in a capitalist society, and economic problems and solutions evolved by society. M T W 2. Mr Lampard, first semester; Mr McCartney, second semester.
- 214a *Personal Finance and Consumer Economics.* Some bases for economic decisions, and methods of economic response at the individual and family level. For freshmen by permission of the instructor. Not open to students who have taken or are taking Economics 21 or 22a. Th F S 10. Mr Ross.

ECONOMICS

- 31a *Public Finance*. Taxation, government spending, and borrowing. Economic effects and current controversies. Th F S 10. Mr McClung.
- 32a *Labor Problems*. The growth of trade unions, leadership and internal affairs of unions, nature and process of collective bargaining, role of government in the labor movement. Open to sophomores who have passed 21. M T W 12. Mr McCartney.
- 32b *Economics of Labor*. Problems of employment and unemployment, process of wage determination and its economic effects, economic effects of private and public forms of social insurance. Prerequisites 21 and 32a or permission of the instructor. M T W 12. Mr McCartney.
- 33 *Economic Analysis*. Selected topics in the history of economic thought and modern economic theory. M T W 11. Mr Miller.
- 35 *Money, Banking, and Economic Fluctuations*. Monetary theory, American and foreign banking systems and problems, foreign exchange, problems of prosperity and depression and the changing responsibilities of government. Th F S 9. Miss Bacon.
- 38b *Economic Statistics*. Multiple correlation, index numbers, time series, and selected applied topics. Open to sophomores. Prerequisite, 28a. Lec. Th F 2; four laboratory hours, M Th 3-5. Mr Ross.
- [311b *Government and Business*. The development of public control of business in the United States. Problems of present-day regulation. Prerequisite, 21, 22a, or permission of the instructor.]
- 312 *Business Enterprise*. The organization, financing, management, and regulation of business in the United States. Problems and policies. Th F S 11, Mr McClung.
- 315a *International Economics*. Arguments for free trade and protection, international investment, current problems of the international trading system and efforts to overcome them, foreign economic policy of the United States. M T W 2. Mr Miller.
- [315b *International Economics*. A continuation of 315a including case studies. Prerequisite, 315a or permission of the instructor. M T W 2. Mr Miller.]

ECONOMICS

- 319a *Comparative Economics: Modern Industrial Systems*. Basic economic issues in capitalism, socialism, communism, and fascism, and their relationships to political and social problems. Particular attention to the United States, Great Britain, and the U.S.S.R. Prerequisite, 21 or permission of the instructor. M T W 9. Mr Mair.
- 319b *Comparative Economics: Underdeveloped Areas*. A comparative study of the economies of selected underdeveloped countries in their political and social setting. Problems of development. Japan as a unique case of non-Western industrialization. Prerequisite, 21 or permission of the instructor; 319a recommended but not required. Th F S 10. Miss Bacon.
- 324b *Population Problems and Policies*. The crucial role of population in current world developments. Trends and significance of basic factors: births, deaths, and migration. Population quality. Comparative survey of the population situation and policies in important areas of the world. Prerequisite, completion of Group E distribution requirement. M T W 9. Mr Mair.
- 40b *Major Economic Issues*. Required of all senior majors. W 7:30-9:30. Members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in economics above Grade I. *Two or three hours*.
- [42a *Problems in Applied Economics* (seminar). By permission of the instructor. Mr McCartney.]

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject for 1956, Modern Canada and Mexico: a study in Comparative Development. By permission of the director. Mrs Holmes (Director), Miss Carter, Mrs Marsh, Mr Miller.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced studies. *Two hours or more*.

Adviser of graduate study: Mr Mair.

ECONOMICS

THE MAJOR

Advisers: members of the Department.

Based on 21 or 22a.

Essential Courses: 40b and eighteen semester hours in economics above Grade II.
Optional Courses: nine semester hours in economics or appropriate courses in other departments.

Majors may spend the junior year abroad if they meet the college requirements as stated under the description of the Junior Year Abroad.

HONORS

Director: Miss Bacon.

Prerequisite: Economics 21.

Program: *Economic Analysis* is an essential course for honors, and counts as six of the required eighteen hours of Grade III work. In addition to the eighteen hours, there is required in the first semester of the senior year a long paper to count as three or six hours, and in the second semester three hours of review.

Examinations: general theory and its applications; questions on individual fields in economics; questions coordinating the field of the major.

UNITS

[*Economic Analysis*. First semester. *Six hours*. Mr Miller.]

Topics in Money and Banking. First semester. *Six hours*. Miss Bacon.

Comparative Economic Systems. Second semester. *Three hours*. Mr Mair.

EDUCATION & CHILD STUDY

PROFESSORS:

**SETH WAKEMAN, PH.D.

ASSOCIATE PROFESSORS:

CLIFFORD RICHARDSON BRAGDON, A.M., ED.M., *Chairman*
HELEN EVANGELINE REES, ED.D., Director of the Smith
College Day School

EVELYN BEYER, A.M., Director of the Elisabeth Morrow
Morgan Nursery School

ASSISTANT PROFESSORS:

JEAN CARL COHEN, PH.D.
MIRIAM FORSTER FIEDLER, PH.D.
N. DEMING HOYT, ED.D.
MARY TEELE CAMPBELL, A.M.
VIRGINIA CASS, A.M.

LECTURERS:

RONALD JEREMIAH DARBY, ED.M.
*RITA ALBERS JULES
GEORGE T. PRATT, M.ED., L.H.D.

DIRECTOR OF

READING CLINIC:

†MARY CHENEY STEPHENSON, ED.M.

ASSISTANT DIRECTOR

OF READING CLINIC:

ADAH DUNHAM WEST

EDUCATION & CHILD STUDY

The following courses are recommended to students planning to major in education and child study: Biological Science 195, Psychology 11a, 11b, 12, 25b, Social Science 192, Sociology 26, 27b, Zoology 12.

An opportunity for guidance in reading and study skills is offered to freshmen and a limited number of other students. One period each week, hours to be arranged. Mrs West.

Students who desire to comply with the varying requirements of different states for certificates to teach in public elementary and secondary schools are urged to consult the chairman as early as possible during their college course. A five-year program is required by certain states for teachers in secondary schools.

21a *Introduction to Education.* Historical and philosophical background of modern educational problems. M T W 2. Mr Bragdon.

22a *Educational Psychology.* A study of biological, psychological, and social factors in mental development, with special reference to problems in learning. M T W 12. Mr Wakeman.

[22b A repetition of 22a. M T W 2. Mr Wakeman.]

24a *Child Psychology.* A study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Prerequisite, Psychology 11a or 12. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.

24b *Psychology of Adolescence.* Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Open to freshmen who have passed Psychology 11a. Prerequisite, Psychology 11a or 12, Education 22a or b, or permission of the instructor. Th F S 10, 11. Mrs Cohen.

26b *Foundations of Secondary Education.* Characteristics of the secondary school pupil; present status, purpose, and organization of secondary schools; curriculum. Recommended background, 21a. M T W 2. Mr Bragdon.

31a *The Child in Modern Society.* Place of the young child in society; social and educational agencies concerned with child welfare; mental hygiene of early childhood. Directed observations. Alternates with Sociology 39a. Th F 3 and one observation period. Miss Beyer.

34b *Child Study.* Growth, development, and guidance of the young child. Systematic observation and study of preschool children. Recommended background, 24a or 22a or b. Th F 2 with morning observation periods to be arranged. Miss Beyer.

EDUCATION & CHILD STUDY

- 35a *Elementary School Child*. Growth and development of the child in the elementary school; study of curriculum and modern practices. Recommended background, 21a and 22a or b or 24a. Two class hours and observation. M W 9. Miss Rees.
- 35b A repetition of 35a. M W 11.
- 36b *American Education*. Evolution of American educational thought and institutions; development of American education related to the growth of the nation. Open to sophomores who have had a course in education. M T W 9. Mr Hoyt.
- 37a *Comparative Education*. Influence of national attitudes in education. The educational situation in England, France, Germany, and Soviet Russia, with special attention to the problems of the postwar period. M T W 3. Mr Hoyt.
- 38b *Education and Contemporary Social Philosophy*. An examination of the impact of recent socio-economic changes on higher and secondary education in the United States. M T W 3. Mr Hoyt.
- 39a *Educational Measurements*. Study of measures designed to improve instruction and assist pupil adjustment in school. Practice in construction, administration, and interpretation of tests. T 4-6 and a laboratory period to be arranged. Mr Hoyt.
- 310b *Music Education*. Methods and materials of music education in the pre-school and elementary grades. For majors or by permission of the instructor. M 3-5, T 3. Mrs Scatchard.
- [311a *Art Education Workshop Course*. Theory and practice of art education in the elementary school. By permission of the instructor. Mrs Jules.]
- 311b A repetition of 311a.
- 40b Senior Unit, designed to correlate and unify the student's work in her major field. M T 4-5. Mr Hoyt and members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in education above Grade I. *Two or three hours*.
- 42b *Advanced Educational Psychology*. Selected problems, reports, and discussion. By permission of the instructor. Recommended background, 22a or b and one course in psychology above Grade I. Miss Rees.

EDUCATION & CHILD STUDY

- 43 *Preschool Education.* Theory and practice in the modern nursery school and kindergarten. Two class hours and two periods of participation. Required trip. Prerequisites, 34a or b and permission of the instructor. Th 4. Miss Beyer.
- 44b *Seminar in Child Psychology.* Selected problems, reports, and discussion. Prerequisites, 24a and permission of the instructor. Mrs Cohen.
- 45 *Elementary Education.* Theory and practice in the modern elementary school, kindergarten through grade eight. Two class hours and two periods of participation in elementary schools. Prerequisites, 35a or b and permission of the instructor. Th 4. Miss Rees and Miss Campbell.
- 46 *Secondary Education.* Methods and practices in secondary schools; study of the teaching of one of the subjects in the curriculum. Observation and directed practice. Required trip. Prerequisites, 26b and permission of the instructor. Th 4 and one period of observation and practice. Mr Bragdon, Mr Darby.
- 410b *Experimental Child Psychology.* Observation of techniques of child study, individual research. One period for discussion, two laboratory periods. Prerequisite, Education 34a or b or 35a or b, or Psychology 24a and permission of the instructor. Mrs Fiedler.

French 37a *Teachers' Course.*

Music 320 *Elementary School Music.*

Music 46 *Advanced School Music.*

Spanish 32a *Teachers' Course.*

Speech 48a, 48b *Teachers' Course.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies: special problems in education. *One hour or more.*

52, 52a, 52b *Problems of American Education.* Required of all candidates for the Master's degree in education. M 4. Mr Wakeman and members of the Department.

EDUCATION & CHILD STUDY

53b *Preschool and Parent Education.* Miss Beyer.

54b *Elementary Education.* Miss Rees.

55a *Secondary Education.* Mr Bragdon.

[56b *Higher Education.* History and present status in the United States. *One or more hours.* Mr Wakeman.]

57 *Problems in the Education of the Deaf.* Historical development of education of the deaf, the physiological and psychological problems of deaf children, and problems of curriculum, with emphasis on language. By permission of the instructor. Mr Pratt.

59, 59a, 59b *Practice Teaching.* Given under the supervision of members of the Department. For qualified graduate students by permission of the Department. *One hour or more.*

510a *Child Development.* T 3:30. Miss Rees.

Adviser of graduate study: Mr Wakeman.

THE MAJOR

Students majoring in the Department may concentrate (1) in child development as preparation for teaching in nursery and elementary schools, (2) in the history, philosophy, or psychology of education, or (3) may prepare for graduate work leading to a professional degree.

Advisers: members of the Department.

Based on 21a or 22a or b and one course in education and child study, psychology, sociology, or Social Science 192.

Essential Courses: 40b and eighteen semester hours in education.

Optional Courses: other courses appropriately related.

HONORS

Director: Mr Bragdon.

Prerequisites: courses listed as bases for the majors.

Program and Examinations: detailed plans of study may be had on consultation with the director.

ENGLISH LANGUAGE & LITERATURE

PROFESSORS:	HOWARD ROLLIN PATCH, PH.D., LITT.D. ESTHER CLOUDMAN DUNN, PH.D. NEWTON ARVIN, A.B. CHARLES JARVIS HILL, PH.D. HELEN WHITCOMB RANDALL, PH.D. ROBERT GORHAM DAVIS, A.M., <i>Chairman</i> †DANIEL AARON, PH.D. ALFRED YOUNG FISHER, DOCTEUR DE L'UNIVERSITÉ DE DIJON KATHERINE GEE HORNBEAK, PH.D.
VISITING PROFESSOR:	ELIZABETH DREW, B.A. (OXON.)
ASSOCIATE PROFESSORS:	EDNA REES WILLIAMS, PH.D. ELEANOR TERRY LINCOLN, PH.D.
ASSISTANT PROFESSORS:	ROBERT TORSTEN PETERSSON, PH.D. EVELYN PAGE, PH.D. GEORGE GIBIAN, PH.D.
INSTRUCTORS:	MARLIES KALLMANN, A.M. ROBERT PAYSON CREED, A.M. WENDELL STACY JOHNSON, PH.D. ELIZABETH GALLAHER VON KLEMPERER, A.M. BETTY ISOBELLE BANDEEN, A.M. MARGARET ISABELLE PFAU, A.M. ADOLPH LEWIS SOENS, JR., A.M. STANLEY SULTAN, PH.D.

The courses in English which may be taken to fulfill the distribution requirement in Group A are 21, 23, 25, 211, 212.

Students who are planning to major in English and have entered with less than three units of Latin or Greek or a combination of the two, will be required to take Latin 12b, Greek 11, 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b. They are urged to take at least one course each in history and philosophy.

- 11 *Freshman English*. Practice in expository and critical writing in connection with the study of selected literary forms. Members of the Department. Mr Davis, *Director*.

A. Language and Literature

- 21 *The Patterns of English Literature*. An analysis through lectures, reading, and discussion of representative authors and works, chosen for the purpose of illustrating the temper and the controlling ideas of successive periods from the earliest period to the present day. Th F S 10. Mr Creed, first semester; Mr Petersson, second semester.

ENGLISH LANGUAGE & LITERATURE

- 23 *Forms of the Drama.* Survey of the principal forms, European and Asiatic, with special attention to the different kinds of theatre and to the greatest plays and playwrights from Aeschylus to Hebbel. M T W 3. Mr Eliot.
- 25 *Literature of the Middle Ages.* Motifs and ideas in important works, including the *Consolation of Philosophy*, the *Nibelungen Lied*, Irish folk tales, the *Song of Roland*, Arthurian romance, medieval lyrics, and the *Divine Comedy*. Reading based on translations. M T W 9. Mr Patch.
- 211 *Literature of the Nineteenth and Twentieth Centuries.* Open only to sophomores. M T W 10. Miss Randall, first semester; Miss Drew, second semester.
- 212 *American Literature to 1900.* M T W 11. Mr Arvin.
- 30a *The Grounds of Literary Judgment.* A study of the bases of critical evaluation in literature. Open only to juniors majoring in English. M T W 3. Mr Arvin (Director) and Members of the Department.
- 31 *Chaucer.* M T W 10. Mr Patch.
- 32 *The History of the English Language.* T 10, Th 2-4. Miss Williams.
- 33 *Old English.* Language and literature of the Old English period, with emphasis on the study of *Beowulf*. M 2, T 2-4. Miss Williams.
- 34b *Sixteenth-Century Literature.* Prose and poetry from Wyatt through Spenser, Raleigh, and the early Donne. Th F S 11. Miss Dunn.
- [35b *English Drama from 1560 to 1642.* Shakespeare's predecessors and contemporaries. Open to sophomores by permission of the instructor. M T W 11. Mr Fisher.]
- [36 *Shakespeare.* A study of Shakespeare's dramatic development against the background of Elizabethan ideas, social, critical, and theatrical. Not open to students who have taken 37 with which this course alternates. Th F S 12. Miss Dunn.]
- 37 *Shakespeare.* The dramatic and poetic art of Shakespeare. For students majoring in English. Not open to students who have taken 36 with which this course alternates. M T W 12. Mr Fisher.
- 38a *Seventeenth-Century Prose.* With emphasis on the King James Bible, Bacon, Browne, Taylor, Bunyan, Milton, and Donne; to express the chief ideas and techniques of the writing and to illustrate the shift from Elizabethan to modern style. Th F S 10. Mr Petersson.

ENGLISH LANGUAGE & LITERATURE

- 39a *Seventeenth-Century Poetry from Donne to Dryden*. Th F S 9. Miss Lincoln.
- 39b *Milton*. Th F S 9. Miss Lincoln.
- 310a *Augustan Satire*. Theories and techniques of satire studied in the work of Addison, Steele, Pope, Swift, and Gay. M T W 12. Miss Hornbeak.
- 310b *The Age of Johnson*. Biography, essay, criticism, poetry. M T W 12. Miss Hornbeak.
- [311 *Drama from 1660 to the Present*. Th F S 10.]
- 314 *The Development of the English Novel*. Daniel Defoe to D. H. Lawrence. M T W 11. Mr Hill.
- [319b *Romanticism*. Blake, Wordsworth, Coleridge, Shelley, and Keats. Th F S 11. Miss Randall.]
- [321a *Transcendentalism in American Literature*. Emerson, Thoreau, and Whitman. M T W 9. Mr Arvin.]
- 321b *American Fiction from 1830 to 1900*. Hawthorne, Melville, and James. M T W 9. Mr Arvin.
- 40b *Review Unit*.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in English above Grade I. *Two or three hours*.
- 43a *Some Romantic Poets: Byron, Wordsworth, Coleridge, and Others*. Their poetical and literary theories and innovations; the background both in England and on the Continent, including political and social influences. Th F S 11. Miss Dunn.
- 44a *Twentieth-Century British Literature*. Joyce, Yeats, Eliot. M T W 9. Miss Drew.
- [415a *Literary Criticism*. For seniors majoring in English. Miss Randall.]
- 417b *The Twentieth-Century American Novel*. Th F S 10. Mr Davis.
- [418a *Idea and Form in Twentieth-Century Fiction* (seminar). Mr Gibian.]

ENGLISH LANGUAGE & LITERATURE

B. Composition

Only one course in English composition may be taken in any one semester except by permission of the chairman. Second semester courses are open both to students who have and to those who have not taken the corresponding course in the first semester.

[112a, 112b *Composition for Foreign Students.*]

220a, 220b *Practice in Various Forms of Writing.* M T W 11, 2. Miss Page (*Director*), Mrs von Klemperer, Mr Sultan.

347a *Short Story Writing.* Though the emphasis in this course will be on fiction, opportunity will be given for other kinds of writing. By permission of the instructor. W Th F 2. Mr Johnson.

347b *Short Story Writing.* W Th F 2. Mr Davis.

[428a,] 428b *Advanced Composition.* Practice in the writing of fiction. For seniors by permission of the instructor. Mr Fisher.

C. Graduate Courses

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced studies arranged in consultation with the Department. *One hour or more.*

53a *Seminar in Middle English Poetry.* Emphasis will be placed on the works of Chaucer, medieval romances, or medieval drama, according to the special needs of the students. Attention will be given not so much to the reading of texts as to problems of research. Mr Patch.

55 *Shakespeare.* Critical problems, textual and literary. Lectures and reports. Miss Dunn.

[57a *Studies in Seventeenth-Century Literature.* Miss Lincoln.]

58b *Studies in Eighteenth-Century Fiction.* Miss Hornbeak.

[59a, 59b *Studies in Nineteenth-Century Poetry.*]

[510b *Studies in Nineteenth-Century Fiction.*]

512a *Studies in American Literature.* Miss Page.

Adviser of graduate study: Miss Hornbeak.

ENGLISH LANGUAGE & LITERATURE

THE MAJOR

Advisers: Miss Dunn, Mr Arvin, Mr Hill, Miss Randall, Mr Davis, Miss Drew, Miss Hornbeak, Miss Williams, Miss Lincoln, Mr Gibian, Mr Petersson.

Based on six semester hours from Division A or General Literature 291.

Essential Courses: for the Class of 1956, 40b and eighteen semester hours from Division A, including at least one of the following: 31, 32, 33, or a course in Greek language and literature; for the Class of 1957, 30a (to be taken in the junior year) and twenty-one semester hours from Division A, including at least one of the following: 31, 32, 33, or a course in Greek language and literature.

Optional Courses: six semester hours in English or foreign literatures or in closely allied fields.

In consultation with her adviser every student should arrange the program of her three upper years so as to allow for a reasonable distribution in different periods.

Students majoring in English will be required to pass a general examination at the end of the senior year.

HONORS

Directors: Mr Fisher, Miss Page.

Prerequisites: see the requirements for entrance to the major.

Program: students must fulfill the general requirements of the major. Candidates must take at least one unit each year in the junior and senior years.

In the first semester of senior year honors students will present a long paper to count for six hours, outside the eighteen semester hours in the major.

Each student must correlate a small and carefully circumscribed area of her work in English with at least three hours in units or courses in a closely related field, *e.g.* history, philosophy, religion, classics, modern languages, the theatre, art, and music; or with work in linguistics and composition in the Department.

Examinations: two examinations will be general, the third will test the candidate's work in her chosen program of correlation.

Units

First semester

Old English Literature in Translation. Three hours. Miss Williams and Mr Creed.

Shakespeare. Six hours. Mr Fisher.

Satire. Six hours. Miss Hornbeak.

Prose Fiction. Six hours. Mr Davis.

Modern British and American Poetry. Six hours. Miss Drew.

ENGLISH LANGUAGE & LITERATURE

Second semester

Medieval Literature. Six hours. Mr Patch.

Shakespeare. Six hours. Miss Dunn.

Modern Drama. Six hours. Miss Drew.

Blake. Three hours. Miss Randall.

American Literature. Six hours. Miss Page.

FRENCH LANGUAGE & LITERATURE

PROFESSORS:	†VINCENT GUILLOTON, AGRÉGÉ DE L'UNIVERSITÉ HÉLÈNE CATTANÈS, DOCTEUR DE L'UNIVERSITÉ DE PARIS RENÉ GUIET, DOCTEUR DE L'UNIVERSITÉ DE PARIS, <i>Chairman</i> MARGARET HILL PEOPLES, PH.D. MARTHE STURM, LIC. ÈS L., DIPLÔME D'ÉTUDES SUPÉRIEURES MARINE LELAND, PH.D., LITT.D. (HON.)
ASSOCIATE PROFESSORS:	LOUISE MARIE BOURGOIN, LIC. ÈS L., O.A. †MADELEINE GUILLOTON, LIC. ÈS L., A.M. ‖ A. JEANNE SALEIL, AGRÉGÉE DE L'UNIVERSITÉ
ASSISTANT PROFESSORS:	JEANNE GUIET, A.M. ANNE GASOOL, A.M. LUC DARIOSECQ, AGRÉGÉ DE L'UNIVERSITÉ
INSTRUCTORS:	MARY LOUISE LIBBY, A.M. LUCILE FRENILLOT MARTINEAU, A.M. WILLIAM CURTIS MEAD, B.A. RICHARD LANE FRAUTSCHI, A.M. DOLORES MANN, M.A. LILYANE DARIOSECQ, LIC. ÈS L., DIPLÔME D'ÉTUDES SUPÉRIEURES JACQUES BARCHILON, A.M.

The courses in French which may be taken to fulfill the distribution requirement in Group A are 25 and 26.

All classes in the Department except 312a are conducted in French.

Freshmen who plan to major in French or who hope to spend the junior year in Paris or in Geneva are advised to take 13 or 22a and b.

It is recommended that students planning to major in French have a reading knowledge of a second language (ancient or modern) and take a general course in English literature and one in European history.

FRENCH LANGUAGE & LITERATURE

A. Language

- 11b *Elementary Course* (first and second parts). *Six hours each semester.* M T W Th F 10, 11, or M 3, T W Th F 2, and one hour to be arranged. Members of the Department. (L)
- 12 *Elementary Course* (second part). Prerequisite, two units in French. M T W 10, 11, 12; Th F S 10, 11, 12. Members of the Department.
- 13 *Reading, Grammar, and Composition.* Prerequisite, three units in French, 12, or 11b. M T W 9, 12; Th F S 9, 11. Members of the Department.
- 22a, 22b *Intermediate Course.* Study of modern texts from the point of view of language. Written and oral reports. Prerequisite, four units in French, 13, or 16. Prerequisite for 22b, 22a. M T W 10, 12; Th F S 9, 10, 11, 12. Members of the Department.
- 23b *Intensive Training in Grammar, Composition, and Oral Practice.* Open only to students who plan to spend their junior year in Paris or Geneva and who have not taken 22a. Members of the Department.
- 24a *Theoretical and Practical Phonetics.* Exercises in hearing, pronunciation, and phonetic dictation. Two class hours. *One hour.* Th F 4. Mrs Dariosecq.
- 24b A repetition of 24a.
- 31b *Advanced Course in Grammar and Composition.* Recommended to those who intend to teach French. Prerequisite, 22a and b. M T W 10. Miss Cattànès.
- 34b *Advanced and Experimental Phonetics.* Prerequisite, 24a or b. *Two hours.* Miss Sturm.
- 37a *Teachers' Course.* Problems and methods of modern language teaching. Practice in teaching. Miss Cattànès.

B. Literature

Unless otherwise stated the prerequisite for courses of Grade III is 26.

- 15 *Introduction to French Literature.* Choice of representative texts from the Middle Ages to the present day. Literary, historical, and cultural background. The written work is in English. Prerequisite, three units in French, 12, or 11b. M T W 9, 10, 11, 12; Th F S 9, 10, 12. Members of the Department. (L)

FRENCH LANGUAGE & LITERATURE

- 16 This course is of the same grade and plan as 15 but with emphasis on use of the language. Prerequisite, three units in French, 12, or 11D. M T W 10, 11; Th F S 9, 10. Members of the Department. (L)
- 25 *Masterpieces of French Literature of the Nineteenth Century.* Novel, drama, poetry; romantic, realistic, and naturalistic schools. This course is conducted in French, but the written work is in English. Prerequisite, four units in French, 13, 15, 16, or, by permission, 11D, or 12. M T W 9, 12; Th F S 9, 11, 12. Members of the Department. (L)
- 26 This course is of the same grade and plan as 25 but with emphasis on use of the language. The written work is in French. Prerequisite, four units in French, 13, 16, or, by permission, 11D, 12, 15. M T W 9, 10, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L)
- [310b *Life and Works of Molière.* Alternates with 316a. W Th F 2. Miss Leland.]
- 311 *French Literature in the Seventeenth and Eighteenth Centuries.* Th F S 9. Mr Guiet.
- 312a *French-Canadian Civilization from 1763 to the Present.* Conducted in English. Recommended background, a reading knowledge of French. W Th F 2. Miss Leland.
- 316a *French Literature to the End of the Renaissance.* Alternates with 310b. Th F S 10. Mr Guiet.
- [317a *The French Novel from 1700 to 1850.* Alternates with 320a. Th F S 10. Mr Guiet.]
- 318a *Contemporary French Drama and Poetry.* Recommended background, 311. Th F S 11. Miss Sturm.
- 318b *Contemporary French Novel.* Recommended background, 311. Th F S 11. Miss Sturm.
- 320a *The French Novel from 1850 to 1914.* Alternates with 317a. M T W 10. Miss Cattànès.
- 323b *Modern France.* Social and cultural trends. Primarily for majors not taking their junior year in Paris. M T W 11. Miss Sturm.
- 40b Review Unit. Miss Sturm.

FRENCH LANGUAGE & LITERATURE

- 41, 41a, 41b Special Studies in French language or literature. By permission of the Department for senior majors who have had twelve semester hours above Grade I in French. *Two or three hours.*
- 45a *History of Modern French Thought.* The Renaissance to the present. For seniors by permission of the instructor. Miss Sturm.
- 47a *Studies in Eighteenth-Century Literature.* Alternates with 48a. For seniors by permission of the instructor. Miss Peoples.
- [48a *Victor Hugo.* Alternates with 47a. For seniors by permission of the instructor. Miss Peoples.]

C. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51, 51a, 51b Advanced studies arranged in consultation with the Department. *One hour or more.*
- 52 *Old French.* Linguistics and literature. Miss Leland.
- 53 *Problems of Modern Syntax.* Miss Cattànès.
- [56a *Development of Literary Criticism in France.* Mr. Guilloton.]
- [56b *Literary Relations between England and France in the Eighteenth Century.* Mr Guilloton.]
- 58b *Montaigne.* *One hour or more.* Mr Guet.
- [510b *French Poetry from 1885 to the Present.* Mrs Guilloton.]
- Adviser of graduate study: Miss Leland.

THE MAJOR

Advisers: Miss Sturm for 1956, Miss Gasool for 1957.
Based on 26; on 16 or 13 if 26 is taken junior year in addition to the major.
Essential Courses: 40b and eighteen semester hours in French.
Optional Courses: other courses in the Department or in allied fields.

FRENCH LANGUAGE & LITERATURE

HONORS

Director: Miss Peoples.

Prerequisite: 26.

Program:

Requirements: the general requirements for the major; a unit involving the writing of a paper; a review unit.

Optional: with the approval of the director any unit or course in French or in an allied field of Grade III or IV, or, for seniors, Grade V.

Examinations: of the three examinations, the two on literature will be written in English. One general examination on the whole field of French literature; one specialized examination on a limited period (sixteenth, seventeenth, eighteenth, or nineteenth century, or the modern field); one on language with translation from English to French, from French to English, and a short composition in French.

GEOLOGY & GEOGRAPHY

ASSOCIATE PROFESSORS:	ROBERT FRANK COLLINS, A.M. CAROLINE HEMINWAY KIERSTEAD, PH.D. *BENJAMIN MARTIN SHAUB, PH.D. MARSHALL SCHALK, PH.D.
ASSISTANT PROFESSOR:	HELEN STOBBE, PH.D., <i>Chairman</i>
TEACHING FELLOWS:	MARY CATHERINE REED, A.B. JANET WERT CRAMPTON, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Geology 11 and Physical Science 194.

Students planning to major or to do honors work in geology are advised to take at least one of the following: chemistry, physics, or zoology.

11 *General Geology*. Forces of nature now modifying the materials and structure of the earth; history of the earth. Field trips. Two lectures and one hour of discussion following two hours of laboratory. Lec. Th F 10. Lab. and Dis. M 9-12; M, T, Th, F 2-5; S 9-12. Mr Collins, Mr Schalk.

21a, 21b *Introductory Meteorology*. The weather elements; their observation; air mass analysis; short-term and aeronautical forecasting; climatology. Prerequisite for 21b, 21a. Two lectures and one demonstration. Mr Schalk.

GEOLOGY & GEOGRAPHY

- 24a *Mineralogy*. General principles; study of the more important rock-forming and economic minerals. For students who have passed or are taking 11, Chemistry 11, Physics 11, or Physical Science 193 or 194. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and Dis. Th F 9; Lab. M 2-4:30. Miss Stobbe.
- 25b *Lithology*. Interrelation of the main rock types; their origin, structure, mineral composition, occurrence, and economic importance. Field methods of identification. Prerequisites, 11 and 24a. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and Dis. Th F 9; Lab. M 2-4:30. Mr Shaub.
- 211b *Gems and Precious Stones*. Their properties, origin, and occurrence; their recovery, processing, and marketing; their history. M T W 10. Mr Shaub.
- 212b *Gems and Precious Stones*. Laboratory identification of natural, synthetic, and artificial gems; cutting and processing semiprecious stones. For those who are taking or have taken 211b. *One hour*. Mr Shaub.
- [213 *Geography of North America*. The physical features, climate, natural resources, and regional characteristics with emphasis on the development, utilization, and conservation of natural resources. Th F S 9. Mrs Kierstead.]
- 31a *Geography of Asia*. Influence of relief, climate, and natural resources on the life, movements, and history of its peoples. M T W 10. Miss Stobbe.
- 31b *Europe and North Africa*. Geographic backgrounds of current problems. M T W 10. Miss Stobbe.
- 32b *South America*. Geography of the continent; climatic and physiographic backgrounds of cultural, political, and economic development. M T W 12. Miss Stobbe.
- 33 *Land Surfaces of the United States*. Physiographic foundations of American regional, economic, and social culture. Systematic description of physical divisions of the United States. Geomorphic processes and principles. Th F 11 and one hour recitation to be arranged. Mr Collins.
- 34a, 34b *Economic Geology*. Lectures and laboratory study of geological products of commercial value. Prerequisites, 11, or 24a, or Chemistry 11, or Physical Science 194. Lec. Th F 12; Lab. hours to be arranged. Miss Stobbe.

GEOLOGY & GEOGRAPHY

- [35a, 35b *Historical Geology*. Evolution of modern life and its relation to Cenozoic environment. Prerequisite for 35a, 11; for 35b, 35a. Lec. Th F 12 and one hour to be arranged. Mr Collins.]
- 36a, 36b *Field Geology*. Methods; theory and use of Brunton, alidade, and other mapping instruments; topographic and geologic surveying; applied structural geology. Prerequisite for 36a, 11; for 36b, 36a. Not to be given in 1956-57. T Th 2-6. Mrs Kierstead.
- [37a *Stratigraphy*. Geological systems and subdivisions; their invertebrate fossil content and lithologic characteristics. A field trip of one or more days. Prerequisite, 11. Mrs Kierstead.]
- 38b *Optical Mineralogy*. Optical properties and identification of minerals in fragments and thin sections. Prerequisite, 25b. Mr Shaub.
- [39b *Petrography*. Identification and classification of rocks with the polarizing microscope. Prerequisite, 38a. Mr Shaub.]
- 314b *Geology of Petroleum and Natural Gas*. Their origin, occurrence, and distribution; application of geological principles to their finding and exploitation. Prerequisite, 11, Physical Science 194, or permission of the instructor. Mr Schalk.
- 322a *Structural Geology*. The study and interpretation of rock structures; their origin, topographic effect, and economic importance. Open to students who have passed Geology 11. Mrs Kierstead.
- 323a, 323b *Paleontology*. Marine invertebrate fossils and their significance in interpreting the history, climate, and geography of the past. Open to sophomores by permission of the instructor. Two-day field trip in second semester. Two lectures and three hours of laboratory. Lec. M T 12; Lab. W 12 and 2-4. Mrs Kierstead.
- [326 *Economic Aspects of Geography*. Mineral and agricultural resources of the world in relation to their geologic and geographic setting, their influence on social and economic conditions, and the part they play in world affairs. Open to sophomores by permission. M T W 11. Mr Shaub.]
- 328a *Principles of Cartographic Drafting, Editing, Reproduction*. Practice in map reading, compilation and simple map drafting. Lecture, two hours; laboratory, three hours. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.

GEOLOGY & GEOGRAPHY

- 329b *Geologic and Geographic Illustration*. Charts, graphs, block diagrams, sections. Drawing for reproduction. Two lectures and three hours of laboratory. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.
- 40b Senior Review Essay. For seniors majoring in geology or geography. M 2-5. Members of the Department.
- 41, 41a, 41b Special Studies in geology or geography. By permission of the Department for senior majors who have had twelve semester hours above Grade I in the Department. Members of the Department. *Two or three hours*.
- [46a, 46b *Micropaleontology*. A study of micropaleontology with particular emphasis on Foraminifera, their classification and importance in petroleum geology. By permission of the instructor. Given in alternate years. Lec. Th F 10; Lab. F 2-5. Mrs Kierstead.]
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Individual problems in geology or geography. *Two hours or more*.
- 52, 52a, 52b *Paleontology or Stratigraphy*. *Two hours or more*. Mrs Kierstead.
- 53, 53a, 53b *Physiography*. *Two hours or more*. Mr Collins.
- 54, 54a, 54b *Structural Geology*. *Two hours or more*. Mrs Kierstead.
- [55, 55a,] 55b *Crystallography, Mineralogy, Petrology, or Gemology*. *Two hours or more*. Mr Shaub.
- 57, 57a, 57b *Petroleum Geology*. *Two hours or more*. Mr Schalk.

Adviser of graduate study: Miss Stobbe.

THE MAJORS

Geology

Advisers: Mr Collins, Mrs Kierstead, Mr Shaub.

Based on 11, or, by permission of the Department, on Physical Science 194.

Essential Courses: 36a and b, 40b, and twelve semester hours in geology.

Optional Courses: other courses in geology or in other sciences.

GEOLOGY & GEOGRAPHY

Geography

Advisers: Miss Stobbe, Mr Schalk.

Based on 11, 213a, 21a, or 326.

Essential Courses: 11 if not already taken; 40b and twelve semester hours above Grade II in the Department.

Optional Courses: other courses in geology; courses in other sciences, history, and economics.

HONORS IN GEOLOGY

Director: Miss Stobbe.

Prerequisites: 11, and 323a and 323b *or* 24a and 25b; and one year of college chemistry, physics, or zoology.

Program:

Requirements: 323a and 323b *or* 24a and 25b (whichever has not been taken previously); 33, 36a and 36b; and six additional hours of Grade III or above in geology *or* six hours in an advanced course of a science other than geology.

Examinations: two will be in the general field of the major; a third may be in a field of concentration.

GERMANIC LANGUAGES & LITERATURES

PROFESSOR:	PAUL GERALD GRAHAM, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	MARIE SCHNIEDERS, PH.D.
ASSISTANT PROFESSOR:	†ANITA LURIA ASCHER, PH.D.
INSTRUCTORS:	HELENE SOMMERFELD, A.M. MARION SONNENFELD, M.A.

The courses in German which may be taken to fulfill the distribution requirement in Group A are 25a and b, 26, 27a and b.

Students who possess a thorough knowledge of German considerably in excess of what they need to offer for admission, or of what their preparatory school work indicates, may be assigned to more advanced classes. They should consult the chairman of the Department.

Students planning to major in German should carry work in German in the first two years. A course in European history and a course in philosophy are also recommended.

Those who need a knowledge of German for use in the sciences will be given appropriate reading in the various German courses.

GERMANIC LANGUAGES & LITERATURES

A. German Language

- 11 *Elementary Course*. Five class hours. *Three hours each semester*. M T W 11, 12, Th F S 9 and two hours to be arranged. Mr Graham (*Director*), Mrs Sommerfeld, Miss Sonnenfeld.
- 11b *Elementary Course* (covering the work of two years). Seven class hours. *Six hours each semester*. M T W Th F 10 and two hours to be arranged. Miss Schnieders. (L)
- 12 *Intermediate Course*. Prerequisite, two units in German or 11. M T W 11, Th F S 11, two additional hours to be arranged for conversation in place of some preparation. Miss Schnieders, Miss Sonnenfeld. (L)
- 21 *Composition and Conversation*. Prerequisite, three units in German, 11b, 12, or the equivalent. Mrs Sommerfeld.

B. German Literature

The prerequisite for courses of Grade III is a Grade II course or the equivalent.

- 25a, 25b *Modern Prose*. The *Novelle* of the nineteenth and twentieth centuries. Prerequisite, three units in German, 11b, 12 or the equivalent. Th F S 11. Miss Sonnenfeld. (L)
- 26 *An Introduction to the Classical Literature of the Eighteenth Century*. Selections from the works of Lessing, Goethe, and Schiller. Prerequisite, three units in German, 11b, 12, or the equivalent. M T W 10. Mr Graham. (L)
- [27a *German Literature in Translation*. Classicism and romanticism.]
- [27b *German Literature in Translation*. Realism, naturalism, and contemporary literature.]
- 34a, 34b *German Literature of the Nineteenth Century*. Beginning with the romantic movement. Mr Graham.
- 35b *An Historical Survey of German Literature*. The earliest times to the middle of the eighteenth century. Miss Schnieders.
- 38a *Masters of Modern German Literature*. Selected works of representative writers since 1890. Miss Schnieders.
- 311a *Goethe: His Life and Works*. Mrs Sommerfeld.
- 311b *Goethe's Faust, Parts I and II*. Mrs Sommerfeld.
- 40b Directed reading required of seniors majoring in the Department.

GERMANIC LANGUAGES & LITERATURES

41, 41a, 41b Special Studies arranged in consultation with the Department. By permission of the Department for senior majors who have had twelve semester hours above Grade I in German. *Two or three hours.*

C. Germanic Philology

[42a *Historical Survey of the German Language.* Miss Schnieders.]

D. Graduate Courses

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Special Studies in the fields of literature and linguistics arranged in consultation with the Department. *One hour or more.*

Adviser of graduate study: Miss Schnieders.

THE MAJOR

Adviser: Miss Schnieders.

Based on 11b or 12.

Essential Courses: 21, 35b, 40b, and nine semester hours of other German courses above Grade II.

Optional Courses: courses in German except 27a and b, in literature, history, or philosophy.

HONORS

Director: Mr Graham.

Prerequisites: 21, 26, or the equivalent.

Program: a minimum of forty-eight semester hours.

Requirements: a minimum of twenty-four semester hours in the Department; twelve hours in related fields; three or six in first semester of senior year on the preparation of a paper; three in second semester on directed reading.

Examinations: an examination on the general field; one on a specialized field; and an analytical examination which may include such topics as problems of analysis, criticism, and style, translation from German into English and from English into German, a composition in German.

UNITS

The Department will offer units in the fields of linguistics, literature, and language for honors students in German or for honors students in other departments who have had a Grade II course in German. In addition, units conducted in English will be offered for honors students in other departments who have had no German.

GOVERNMENT

PROFESSORS:	BENJAMIN FLETCHER WRIGHT, PH.D., LL.D. GWENDOLEN MARGARET CARTER, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	§ALAN BURR OVERSTREET, PH.D.
ASSISTANT PROFESSORS:	CECELIA MARIE KENYON, PH.D. ROY PIERCE, PH.D. †DONALD ROWE MATTHEWS, PH.D. LEO WEINSTEIN, A.M. JOHN WILLIAM CHAPMAN, PH.D.
INSTRUCTORS:	CHARLES LANGNER ROBERTSON, M.A. JOHN POWERS MALLAN, A.M.

Among the courses which may be taken to fulfill the distribution requirement in Group E are Government 11, 21, 31, 37a and b, 323, Social Science 192.

For students planning to major or to do honors work in the Department, History 11, Economics 21, and Sociology 26 are suggested. See also the honors program.

- 11 *Introduction to Political Science.* A study of the leading ideas of the Western political tradition and their application to the analysis of contemporary political systems. For freshmen and sophomores only; not open to students who have taken Social Science 192. Two lectures and one discussion. Lec. M T 12. Dis. W 9, 12, 2; Th 11, 12, 3; F 11, 2. Mr Pierce (*Director*), Mr Weinstein, Mr Chapman, and Members of the Department.
- 11a The first semester of 11 for sophomores who have passed Social Science 192. Hours and instructors as in 11.
- 21 *American Government.* The processes and functions of American government in the light of the principal concepts of American democracy. Primarily for sophomores, and for juniors and seniors not majoring in the Department. M T W 10. Mr Weinstein.
- 24b *City Government and Politics.* Political implications of urbanization, structure and process of municipal government, urban redevelopment and planning, field study of political attitudes. M T W 2. Mr Chapman.
- 31 *Comparative Government.* The development and operation of the political systems of England, France, the Soviet Union, and Germany. Recommended preparation, 11 or History 11. M T W 9. Mr Pierce.

GOVERNMENT

- [32a *The Commonwealth of Nations*. Its development and organization, and a study of political ideas and institutions in Canada, Australia, New Zealand, South Africa, and Ceylon. Th F S 10. Miss Carter.]
- [33a *American Constitutional Development*. The origins and framing of the Constitution; contemporary interpretations; the study of Supreme Court decisions, documents, and other writings dealing with the interpretation of the Constitution, with emphasis upon changing ideas concerning federalism, property rights, and civil liberties.]
- 33b *American Constitutional Law*. Powers of the national government and fundamental rights of citizens as interpreted by decisions of the Supreme Court. M T W 11. Mr Weinstein.
- 34a *American Political Parties*. Their structure, operation, and place in the American system of government. Field study and participation in a political campaign. Open by permission of the instructor to sophomores who have taken 11. M T W 3. Mr Mallan.
- [35a *International Law*. M T W 11. Mr Robertson.]
- 36a *Administration and Policy Development*. Theory and practice of the administrative state with special reference to problems of "bureaucracy," responsibility, democratic participation in and control of policy formation. Use is made of the case method. M T W 11. Mr Chapman.
- [36b *Public Administration*. Political aspects of government regulations, with emphasis on transportation, public utilities, housing, and atomic energy development.]
- 37a *International Relations*. The context, practices, and problems of international politics. Open by permission of the instructor to sophomores who have taken 11. Th F S 9. Mr Robertson.
- 37b *International Relations*. The political, functional, and federalist approaches to world order, and the control of power politics through such international organizations as the League of Nations, United Nations, Council of Europe, Schuman Plan. Open by permission of the instructor to sophomores who have taken 11. Th F S 9. Mr Robertson.

GOVERNMENT

38a *American Political Thought*. A history of American ideas concerning politics and government from the colonial period to the present. Th F S 11. Miss Kenyon.

[322a *Foreign Policy of the United States to 1898*. Mr Sheehan.]

322b *Foreign Policy of the United States since 1898*. Th F S 12. Mr Robertson.

323 *History of Political Thought from Plato to the Present*. Greek political philosophy, the Stoics, medieval theory, rise of the nation-state, and approaches to an international world order. Designed to provide a foundation for the understanding of current political problems. Th F S 10. Miss Carter.

40b Directed reading required of seniors majoring in the Department. Members of the Department.

41, 41a, 41b Special Studies in advanced work arranged for individuals or small groups. By permission of the Department for senior majors who have had twelve semester hours above Grade I in government. *Two or three hours*.

Seminars

Open by permission of the instructors to seniors and qualified juniors.

42b *Contemporary Political Thought*. Miss Kenyon.

43a *International Politics*. Mr Robertson.

44a *American Government*. Mr Weinstein.

45a *Comparative Government*. Mr Pierce.

[46b *American Political Thought*. Miss Kenyon.]

47b *Public Opinion and Pressure Groups*. Mr Mallan.

HISTORY AND SOCIAL SCIENCE 495b *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject for 1956, Modern Canada and Mexico: a Study in Comparative Development. By permission of the director. Mrs. Holmes (*Director*), Miss Carter, Mrs Marsh, Mr Miller.

GOVERNMENT

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies. *Two or three hours.*

[55a], 55b Seminar.

Adviser of graduate study: Mr Weinstein.

THE MAJOR

Advisers: Miss Carter, Mr Overstreet, Miss Kenyon, Mr Pierce, Mr Weinstein, Mr Chapman.

Based on 11 or Social Science 192 and Government 11a, or in exceptional circumstances on a satisfactory combination of courses approved by the chairman.

Essential courses: 323, 40b, and twelve semester hours in government.

Optional courses: nine semester hours selected from government and approved courses in history, economics, sociology, philosophy, or religion.

Majors may spend the junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

HONORS

Director: Mr Pierce.

Prerequisites: 11 and an introductory course in history, economics, or sociology; or Social Science 192 and Government 11a and one introductory course in history; or in exceptional circumstances a satisfactory combination of courses approved by the director.

Minimum requirement: (1) one unit or seminar in junior and in senior year; (2) the unit in political theory or 323; (3) a long paper counting for six hours in the first semester of senior year; (4) directed reading counting for three hours in second semester of senior year.

Examinations: comprehensive examinations consisting of a general examination in political science, one in political theory, and one in a special field other than theory.

UNITS

Political Theory. First semester. Miss Carter.

Comparative Government. Second semester. Mr Pierce.

International Relations. Second semester. Mr Robertson.

[*Studies in the American Democratic Tradition.* Second semester. Mr Aaron.]

American Politics. First semester. Mr Chapman.

HISTORY

PROFESSORS:

SIDNEY R. PACKARD, PH.D.
 VERA BROWN HOLMES, PH.D.
 *LEONA CHRISTINE GABEL, PH.D.
 MAX SALVADORI, DR.SC. (POL.)
 JEAN STRACHAN WILSON, PH.D., *Chairman*
 *ELISABETH KOFFKA, PH.D.

ASSISTANT PROFESSORS:

KLEMENS VON KLEMPERER, PH.D.
 †JOHN DUNN DAVIES, PH.D.
 CHARLES W. MACSHERRY, M.A.
 DONALD H. SHEEHAN, PH.D.
 NELLY SCHARGO HOYT, PH.D.
 ARTHUR MANN, PH.D.

INSTRUCTORS:

LOUIS COHN-HAFT, PH.D.
 ERIC EDWIN LAMPARD, B.SC. (ECON.) PH.D.
 JACOB MYRON PRICE, PH.D.
 MIRIAM USHER CHRISMAN, A.M.

TEACHING FELLOW:

ELAINE GELLIS, A.B.

The prerequisite for all courses above Grade I in the Department is 11, 12, or 13.

The distribution requirement in Group D may be met by any one of these courses.

Qualified students who may wish to fulfill this requirement by taking courses of Grade II should consult the chairman of the Department.

- 11 *General European History*. A survey of the history of Europe from the decline of the Roman Empire to the present. One lecture and two recitations. Lec. M 2. Dis. T W 10, 11, 12, 2; Th F 9, 10, 11, 12. Members of the Department. Mrs Hoyt, *Director*.
- 12 *The Ancient World*. A survey of Mediterranean civilizations to the fall of the Roman Empire. Two lectures and one recitation. Lec. M T 10; Dis. W 10, 12, 3. Mr Cohn-Haft.
- 13 *History of the Americas*. A study of the Western Hemisphere from the age of discovery to the present: the European heritage, the Indian peoples, the growth of colonial societies, international rivalries, the emergence of independence movements, and the evolution of the United States, Canada, and the Latin-American nations in their world setting in the nineteenth and twentieth centuries. Th 9, 10, 12 or 2 and F S 9. Mrs Holmes (*Director*).
- 24a *Early English History to 1603*. M T W 11. Mr Packard.

HISTORY

24b *English History since 1603.* M T W 11. Miss Wilson.

[25b *Medieval France.* With special emphasis on the twelfth and thirteenth centuries. For students who have had or are taking History 11. Alternates with History 35b. M T W 10. Mr Packard.]

[27a *Europe and the Far East to 1800.* Travelers, merchants, and missionaries to the Far East. European maritime and landward expansion into Asia. Intellectual interchange between China and Europe in the seventeenth and eighteenth centuries. Th F S 11. Mr MacSherry.]

29 *Development of Western Economic Society.* Introduction to the study of economic development in Europe and the United States, eighteenth century to the present. Emphasis on evolution of basic economic institutions and behavior in a capitalist society, and economic problems and solutions evolved by society. M T W 2. Mr Lampard, first semester; Mr McCartney, second semester.

30b *Introduction to Historical Thought.* A study of the nature of historical problems and of the development of historical thought, based on selected writings of great historians. This course is designed to provide a basis for the work of the Major. For juniors majoring in history and for seniors returning from the junior year abroad. (Beginning in 1956-57 this course will be given as 30a.) One lecture and one discussion. Lec. M 3; Sections T W 3. Miss Gabel (*Director*) and Members of the Department.

33a *History of Greece in the Age of Pericles.* A study of Greek civilization at its height, with an epilogue on the Hellenistic period. Open to sophomores by permission of the instructor. M T W 12. Mr Cohn-Haft.

33b *The Roman Empire.* Chiefly a social and political study. Open to sophomores by permission of the instructor. M T W 12. Mr Cohn-Haft.

[34b *Economic and Social History of Europe in the Middle Ages.* Recommended background, 11, 24a, or 35b. M T W 10. Mr Packard.]

35b *Cultural History of Europe in the Middle Ages.* Recommended background, 11, 24a, or 34b. M T W 10. Mr Packard.

36b *Age of the Northern Renaissance and Reformation.* A study of the transition from medieval to modern times. Th F S 9. Miss Gabel.

37b *Problems of German History from 1648 to the Present.* A study of the growth and interaction of German intellectual, social, political, and economic forces within the framework of modern Europe. Alternates with 411a. Th F S 10. Mrs Koffka.

HISTORY

- [38a *Intellectual History of Europe in the Eighteenth Century*. Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mrs Hoyt.]
- 38b *Intellectual History of Europe in the Nineteenth Century*. Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mrs Koffka.
- 39 *Modern European History*. Political, economic, and social developments in Europe during the nineteenth and twentieth centuries. M T W 12. Mr Salvadori.
- [310a *Modern Britain*. Political, social, and intellectual history of Britain in the nineteenth and twentieth centuries. M T W 11. Miss Wilson.]
- 311a *England under the Tudors and Stuarts*. Political, social, and intellectual history of England in the sixteenth and seventeenth centuries. M T W 11. Miss Wilson.
- 316b *Modern Imperialism*. Changing concepts of empire in the nineteenth and twentieth centuries with special reference to British, French, and Russian rivalries in Asia and Africa and the new rising nationalisms. Th F S 10. Mrs Holmes.
- 317a *History of Russia from the Kievan Period to the Present*. Th F S 10. Mr von Klemperer.
- 318a *Introduction to Far Eastern Civilizations from the Beginning to 1500*. A survey of the political, economic, social, and cultural aspects of the civilization that developed in China; its extension and modification in Japan and other areas of Eastern Asia. M T W 9. Mr MacSherry.
- 318b *Introduction to Far Eastern Civilizations, 1500 to the Present*. A survey of Far Eastern civilizations during the period of limited contact with the West (sixteenth to eighteenth centuries) and the period of extensive Western influence (nineteenth and twentieth centuries). M T W 9. Mr MacSherry.
- 319a *American Political History from the Eighteenth Century to 1865*. W Th F 2. Mr Sheehan.
- 319b *American Political History from 1865 to 1945*. W Th F 2. Mr Sheehan.

HISTORY

- 320b *History of the United States in the Twentieth Century.* A study of the development of the American economy and its relations to recent social and cultural changes. M T W 11. Mr Lampard.
- 321a *American Intellectual History, 1607-1865.* Early development of significant American ideas and social attitudes in relation to social and economic environment. Special emphasis on interchange of American and European ideas, agencies of intellectual life, and developments in religion, science, and the arts. Th F S 11. Mr Mann.
- 321b *American Intellectual History, 1865-1950.* The historical background of contemporary American thought, emphasizing the influence of industrialism, science, and religion. Th F S 11. Mr Mann.
- [322a *Foreign Policy of the United States to 1898.* W Th F 2. Mr Sheehan.]
- 322b *Foreign Policy of the United States since 1898.* Th F S 12. Mr Robertson.
- [323a *American Economic History since 1865.* Economic development of the United States and its influence upon political history. M T W 10.]
- 325a *Latin-American History.* National development of Mexico, Argentina, Brazil, Chile, and the Caribbean countries in the nineteenth and twentieth centuries. An analysis of their political, social, and economic problems and their relations with each other and the United States. Open to sophomores by permission of the instructor. Th F S 10. Mrs Holmes.
- [327b *American Colonial History.* W Th F 3. Mr Sheehan.]
- [331b *Modern Historical Thought.* A study of philosophies and general interpretations of history from the eighteenth century to the present. For seniors majoring in history, for nonmajors by permission of the instructor. Th F S 9.]
- 40b Senior conferences designed to correlate and unify the student's work within the major.
- 41, 41a, 41b *Special Studies.* By permission of the Department for senior majors who have had twelve semester hours in history above Grade I. *Two or three hours.*

Undergraduate Seminars

These courses are limited to twelve students and are open with the permission of the instructors to seniors, and to juniors who have completed a second course in history. They will ordinarily meet each week for two hours, counting as *three*. In special cases honors students may be permitted to take a seminar for *six* hours credit.

[43b *Ancient History*. Problems in the decay of civilization drawn from the decline of ancient Greece and Rome.]

44b *The Medieval Town of the Twelfth and Thirteenth Centuries*. Th 4. Mr Packard.

46b *The Age of the Renaissance*. T 4. Miss Gabel.

[48a *Revolution and Dictatorship*. The French Revolution and Napoleon, with special attention to the influence of liberal thought, the role of pressure groups, development of nationalism and imperialism, and rise of dictatorships. T 4. Miss Gabel.]

49b *Problems of Social Reconstruction in Modern Britain*. Miss Wilson.

410a *The Growth of Free Institutions in European States, 1848-1913*. M 4. Mr Salvadori.

[411a *Romanticism and Liberalism*. Main currents of thought in the first half of the nineteenth century, with special attention to their influence on the political developments during this period. Alternates with 37b. Th 7:30. Mrs Koffka.]

411b *National Socialism*. A definition of the movement in terms of its historical roots, its ideology and policies. Th 4 Mr von Klemperer.

[412b *The Russian Revolutionary Tradition in the Nineteenth and Twentieth Centuries*. A study of the Russian intelligentsia, its ideas, and its changing functions in society. Alternates with 411b. Th 4. Mr von Klemperer.]

[413a *Capitalism in Europe from the Industrial Revolution to the Crisis of 1929*. T 4. Mr Salvadori.]

[414a *The Early National Period: Business and American Life*. The emergence of the business class after 1789 and its influence on politics, thought, education, and religion.]

415a *Cities in American History*. The growth of metropolitan communities in the United States, 1865-1917. Mr Lampard.

HISTORY

415b *United States Foreign Policy since 1898*. The seminar will concentrate on the Far East and its problems. Th 4. Mr Sheehan.

420b *Inter-American Relations*. Selected topics in the relations of the United States with Latin-America, Canada, and the West Indies since 1900. Th 4. Mrs Holmes.

425b *The Western Impact on China and Japan*. Th 4. Mr MacSherry.

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject for 1956, Modern Canada and Mexico: a Study in Comparative Development. By permission of the director. Mrs Holmes (*Director*), Miss Carter, Mrs Marsh, Mr Miller.

Graduate Seminars

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Special problems in advanced work in history, arranged individually with graduate students. *One hour or more*.

55b *Modern European History: Nationalism and Socialism after 1880*. M 4. Mr Salvadori.

[56b *Early American History*.]

57a *American History*. Mr Sheehan.

[58a *Modern Imperialism*. Selected Topics. Mrs Holmes.]

Adviser of graduate study: Mrs Holmes.

THE MAJOR

Advisers: Mr Packard, Mrs Holmes, Mr Salvadori, Mr von Klemperer, Mr MacSherry, Mr Cohn-Haft, Mr Lampard.

Based on 11, 12, 13, or an equivalent course. Students who have been exempted from the distribution requirement in Group D are expected to take six semester hours in the Department in their first two years if they wish to major in history. Essential Courses: 30b (for the Class of 1956, 40b) and eighteen hours in history. Optional Courses: nine semester hours in history or in related departments.

The Senior examination will assume some preparation, at least three semester hours, in each of the following fields: Europe before 1700; Europe after 1700; American History.

HISTORY

Major programs may be arranged to correlate work in history and related subjects in such broad fields as ancient civilization, medieval or Renaissance studies, modern Europe, or area studies (*e.g.*, the Americas).

Attention is called to the Interdepartmental Major in American Studies.

HONORS

Director: Mrs Hoyt.

Prerequisites: two courses in history or one course in history and one in a field appropriately related to the honors program.

Program: the fixed requirements for all candidates will consist of a minimum of twenty-four semester hours in history, plus six semester hours in history or in appropriately related courses in other departments. The required twenty-four semester hours in history will include: (1) at least six semester hours in units or undergraduate seminars offered by the Department; (2) the unit, *History and Historians*, and (3), in the senior year, a long paper.

Examinations: (1) a general examination assuming some preparation* in each of the fields—Europe before 1700, Europe since 1700, American history; (2) an examination on historical literature and method; (3) a special examination in one of the following fields: ancient, medieval, early modern to 1789, Europe since 1789, American, Imperialism, and the Far East. Students will construct their programs with this distribution and emphasis in mind.

**i.e.*, At least a semester course devoted largely to the field concerned.

Units

History and Historians (introductory unit). A study of great historians and of the development of historical thought. M 7:30. First semester. Members of the Department. Mr MacSherry, *Director*.

The Hellenistic Age. Second semester. Mr Cohn-Haft.

Medieval Europe. First semester. Mr Packard.

[*The Age of the Renaissance*. Second semester. Miss Gabel.]

Western Europe in the Seventeenth Century, or England in the Sixteenth and Seventeenth Centuries. First semester. Miss Wilson.

Eighteenth-Century Europe. Political, social, and economic problems. Second semester. Mrs Hoyt.

Modern Imperialism: Egypt and the Near East. First semester. Mrs Holmes.

Modern Europe. Second semester. Mr von Klemperer.

Topics in the Westward Movement. Second semester. Mr Lampard.

[*Recent Interpretations of American History*. First semester. Mr Sheehan.]

Liberalism in American History. Second semester. Mr Mann.

Race, Nationality, and Religion in American History. First semester. Mr Mann.

ITALIAN LANGUAGE & LITERATURE

PROFESSORS:	MICHELE FRANCESCO CANTARELLA, A.M., <i>Chairman</i> RUTH ELIZABETH YOUNG, A.M.
INSTRUCTORS:	MARGHERITA SILVI DINALE, DOTTORE IN LETTERE ANNA M. MARTELLONI, DOTTORE IN LETTERE

The course in Italian which may be taken to fulfill the distribution requirement in Group A is 26.

Students planning to major in Italian who have entered with only two units of an inflected language will be required to take Latin 12b, Greek 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b.

11b or 12 is the prerequisite for 26, 36, 37, 38, and 39.

11 *Elementary Course*. Five class hours. M T W 9, Th F S 10, two hours to be arranged. Mrs Dinale, Miss Martelloni.

11b *Elementary Course* (covering the work of two years). *Six hours each semester*. M T W Th F S 9, 12; one additional hour to be arranged for conversation in place of some preparation. Mrs Dinale, Miss Martelloni.

12 *Intermediate Course*. Reading from modern Italian literature, with grammar and composition. Prerequisite, two units in Italian or 11. M T W 11. Mr Cantarella. (L)

26 *Survey of Italian Literature*. Reading of outstanding works, with cultural and social background. Th F S 11. Miss Martelloni. (L)

[31a *Advanced Composition*. Mrs Dinale.]

36 *Dante: Vita Nuova, Divina Commedia*. M T W 10. Mr Cantarella.

[37 *Major Literary Figures from Petrarch to Tasso*. M T W 2. Miss Young.]

38 *Literature of the Eighteenth and Nineteenth Centuries*. Mrs Dinale.

[39 *Contemporary Literature*. M T 5, W 3. Mr Cantarella.]

40b Directed Reading and Review. Mr Cantarella.

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Italian. *Two or three hours*.

ITALIAN LANGUAGE & LITERATURE

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies. *One hour or more.*

Adviser of graduate study. Mr Cantarella.

THE MAJOR

Adviser: Mr Cantarella.

Based on 11b or 12.

Essential Courses: 26, except for those who spend the junior year in Italy, 36, 40b, and one other course of Grade III.

Optional Courses: closely related courses in allied fields such as history, literature, art, and music.

HONORS

Director: Mr Cantarella.

Prerequisite: 11b or 12.

Program: to be arranged with the director; three hours on an independent piece of work.

Examinations: one on the general field of literature; one on the field of specialization; one on linguistic preparation.

MATHEMATICS

PROFESSORS:	*NEAL HENRY MCCOY, PH.D. RICHARD EDWARD JOHNSON, PH.D., <i>Chairman</i>
VISITING LECTURERS:	ROBERT W. WAGNER, PH.D. ¹ FRED L. KIOKEMEISTER, PH.D.
INSTRUCTOR:	JACQUELINE PASCAL EVANS, PH.D.

Students planning to take courses in mathematics are expected to offer at least three units of mathematics for entrance; those planning to major in mathematics are advised to take in the first two years Mathematics 12, 21a, 21b or 13, 22a, 22b. A course in astronomy or physics is also recommended. For additional preparation for honors work, see the honors program.

- 12 *Mathematical Analysis.* Trigonometry; analytic geometry; elements of calculus. Prerequisite, three units of mathematics not including trigonometry. M T W 2, Th F S 9. Mr McCoy, Mr Wagner, Mr Kiokemeister, Miss Evans.

MATHEMATICS

- 13 *Analytic Geometry, Differential Calculus.* Prerequisite, at least three units of mathematics including trigonometry. M T W 3, Th FS 9. Mr Johnson, Mr Kioke-meister, Miss Evans.
- 21a, 21b *Differential and Integral Calculus.* Prerequisite, for 21a, 12; for 21b, 21a. M T W 10. Mr McCoy, Miss Evans.
- 22a, 22b *Differential and Integral Calculus.* Prerequisite, for 22a, 13; for 22b, 22a. M T W 9. Mr Johnson, Miss Evans.
- 31a *Intermediate Calculus.* Topics from calculus including multiple integration, infinite series, and partial differentiation. Prerequisite, 21b or 22b. M T W 11. Miss Evans.
- 31b *Differential Equations.* Solution and application of ordinary differential equations. Prerequisite, 31a. M T W 11. Miss Evans.
- 33a, 33b *Higher Algebra.* Topics from the theory of equations, and an introduction to modern abstract algebra. 33a for students who have passed or are taking 21a or 22a; prerequisite for 33b, 33a. M T W 9. Mr McCoy, Mr Johnson.
- 34a *Projective Geometry.* Prerequisite, 12 or 13. Th F S 10. Mr Johnson.
- [35b *Theory of Numbers.* Properties of integers including divisibility, theory of congruences, primitive roots, theorems of Fermat and Wilson. Prerequisite, three semester hours of Grade III in mathematics or permission of the instructor. Th F S 9. Mr Johnson.]
- [38b *Solid Analytic Geometry.* For students who have passed 21a or 22a. M T W 10. Mr McCoy.]
- [39a *Theory of Probability.* An introduction to the mathematical theory of probability including combinatory analysis, simple and conditional probability, binomial and normal distributions. For students who have passed or are taking 21a or 22a. Th F S 9. Mr McCoy.]
- 40b Seminar. Mr Johnson.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in mathematics. *Two or three hours.*

MATHEMATICS

[43 *Advanced Calculus*. A study of functions of two or more variables. Prerequisite, 21b or 22b. M T W 11. Miss Evans.]

48 Honors paper, review, and coordination. For seniors.

50, 50a, 50b Research and Thesis. *Three or six hours.*

52a, 52b *Special Studies in Topology and Analysis*. *One hour or more.*

53a, 53b *Special Studies in Modern Geometry*. *One hour or more.*

54a, 54b *Special Studies in Algebra*. Theory of numbers, theory of groups, matrices and determinants, and modern algebraic theories. *One hour or more.*

Adviser of graduate study: Mr Johnson.

THE MAJOR

Advisers: Mr Johnson, Mr McCoy.

Based on 12 or 13.

Essential Courses: 21a, 21b or 22a, 22b; 40b, and other courses in mathematics, making a total of twenty-one semester hours, of which at least twelve must be above Grade II.

Optional Courses: other courses in mathematics.

Astronomy, courses above Grade I except 21a or b.

Physics, courses above Grade I.

Economics 28a, 38b; Chemistry 43; Philosophy 21a or b, 31b.

HONORS

Director: Mr. Johnson.

Prerequisites: 12 and 21a, 21b or 13 and 22a, 22b.

Program:

Essential Courses: 43, 48.

Optional Courses: other courses in mathematics or courses in related fields chosen in consultation with the director.

Examinations: one will cover the common background of all majors, two will test the field of specialization.

MUSIC

PROFESSORS:	†JOHN WOODS DUKE SOLON ROBINSON DORIS SILBERT, A.M., <i>Chairman</i> *ALVIN DERALD ETLER, MUS.B.
ASSOCIATE PROFESSORS:	RAYMOND PUTMAN WILLIAN BEAUMONT SCATCHARD, B.MUS., B.S. BIANCA DEL VECCHIO, DIPLOMA DI MAGISTERO MARION DERONDE, A.B. GERTRUDE PARKER SMITH, A.M. LOUISE ROOD, A.M. ANNA HAMLIN
ASSISTANT PROFESSORS:	IDA DECK HAIGH PHILIP KEPPLER, JR., M.F.A. VERNON DETWEILER GOTWALS, M.F.A.
DIRECTOR OF CHORAL MUSIC:	IVA DEE HIATT, M.A.
INSTRUCTORS:	LINDSEY MERRILL, MUS.M. DOROTHY STAHL, B.M.
TEACHING FELLOWS:	M. DARRELL MATTHEWS, B.S. ANNE-MARIE SUMMERS, A.B.
CURATOR:	RUTH MARGARET AGNEW, M.A.

The courses in music which may be taken to fulfill the distribution requirement in Group B are 13, 23. However, if a student is considering a major in the Department, 13 is not advised.

A. Composition

- 11 *Elementary Course.* Basic materials of composition. Sight-singing, ear-training, and exercises in one- and two-voice writing. Three class hours. *Two hours each semester.* M T W 10, 12; W Th F 3; Th F S 10. Miss Silbert (*Director*), Miss Smith, Miss Rood, Mr Gotwals, Mr Merrill.
- 21 *Intermediate Course.* Exercises in linear writing. Prerequisite, 11. *Two hours each semester.* M T 3. Miss Rood.
- 33 *Composition in Small Forms.* Prerequisite, 21. Th 7-10.
- 42 *Composition for Small Instrumental Groups.* Prerequisite, 33.

B. LITERATURE

Unless otherwise stated the prerequisite for Grade III courses in this division is 23.

- 13 *An Introduction to Music*. First semester, observation of the elements of music and musical form. Second semester, a consideration of musical styles from the Renaissance to the present. No previous training in music is required. This course may not be taken as the theory requirement by students receiving credit for practical music. M T 4 and a third hour to be arranged for sections. Mr Keppler.
- 23 *General History of Music*. Prerequisite, 13 or 11. W Th F 3. Miss Silbert.
- 30a *Tonal Organization*. Practice in analytical techniques. Prerequisite, 21. M T W 10. Miss Smith.
- 34b *Solo Song*. Study of representative works to 1920. M T W 12. Miss Smith.
- 35a *Symphonic Developments in the Nineteenth Century*. W Th F 3. Miss Rood.
- 35b *Nineteenth-Century Opera*. W Th F 3. Mr Keppler.
- 37b *Bach, Handel, and Their Contemporaries*. Study of representative vocal and instrumental works. M T W 11. Miss Rood, Mr Gotwals.
- 38a *Haydn and Mozart*. M T W 9. Miss Silbert.
- 311b *Chamber Music in the Nineteenth Century*. M T W 10. Miss DeRonde.
- [313b *The Literature of the Pianoforte*. M T W 12. Mr Duke.]
- 41, 41a, 41b Special Studies in the theory and literature of music. By permission of the Department for senior majors who have had twelve semester hours above Grade I in music. *Two or three hours*.
- 43a *Vocal Polyphony*. Study of representative works up to 1630. Th F 11. Miss Smith.
- 44b *Studies in the Criticism of Music*. Various aspects as represented in important literary works. Two class hours. Miss Silbert.
- 45b *Modern Music*. Prerequisite, 30a. Th F 11. Mr Etler.

MUSIC

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced studies arranged on consultation with the Department.
One hour or more.

52b Graduate Seminar. Special topics.

[53a *Precedents for Contemporary Procedures.* Mr Etler.]

C. MUSIC PEDAGOGY

Music 320, 321a, and 46, combined with practical music and certain courses in education, are necessary for teaching music in schools. Students should consult Mrs Scatchard as early as possible in the college course. Students who wish to specialize in secondary school music are permitted to take 46 without the prerequisite of 320.

320 *Elementary School Music.* Music education from preschool through sixth grade. For students who have passed 11 and have passed or are taking 23. *Two hours each semester.* M T 2. Mrs Scatchard.

321a, 321b *Choral Conducting.* Fundamentals of conducting; study of various styles of choral music suitable for school and amateur groups. Prerequisite for 321b, 321a. Two class hours. *One hour.* T 4-6. Mrs Scatchard.

46 *Advanced School Music.* Music in junior and senior high schools. T W 12 and one hour of observation and participation to be arranged. Mrs Scatchard.

D. PRACTICAL MUSIC

Courses are offered in piano, organ, voice, violin, viola, violoncello, flute, oboe, clarinet, bassoon, and instrumental ensemble. There are fees for all courses involving individual instruction and for the use of practice rooms. These fees are listed on page 160 of the *Catalogue*.

Students taking practical music (Division D) to be counted within the minimum fifteen-hour program must take and pass at least an equal number of credit hours from Division A, B, or C (except 13). Any course in Division D and its accompanying course in Division A, B, or C may be counted together as one of the required number of three-hour courses, but each course will receive its full credit.

Courses of Grade I and II require one hour of individual instruction and six hours of practice per week and receive *two hours* of credit each semester. *Exceptions*

MUSIC

to this are Music 141, courses in instrumental ensemble (see below), and courses taken in conjunction with Composition 33 or 42, which require nine hours of practice and receive *three hours* of credit each semester.

Courses of Grades III, IV, and V, if counted within the minimum fifteen-hour program, will require one hour of individual instruction and nine hours of practice and receive *three hours* of credit each semester.

Qualified students may divide the course, combining two hours credit in one instrument with one hour credit in a related instrument or in ensemble.

For upperclass students who are not majoring in music, a course carrying two hours credit is available if taken above the minimum fifteen-hour program.

No student in practical music will be admitted to a course above Grade II who has received a mark lower than C in the previous course in the same branch.

Before registering for any course in practical music the student must consult members of the Department at the College in May or during the days just previous to the beginning of the first semester.

VOICE, STRINGED INSTRUMENTS, WIND INSTRUMENTS. Students who wish to enter these courses must have the permission of the instructor. Permission will be granted on the basis of musical aptitude and ability. Candidates for scholarships must perform a piece of their own choice.

PIANO. The candidate will be expected to play three pieces representing different styles in piano literature, one from each of the following headings: (1) a piece by J. S. Bach; (2) an allegro movement from a sonatina or sonata by Clementi, Kuhlau, Haydn, Mozart, or Beethoven; (3) a piece composed after 1825.

ORGAN. The prerequisite for organ courses is Music 121 or its equivalent.

Piano

Mr Robinson, Mr Putman, Miss del Vecchio, Mrs Haigh.
121, 222, 323, 424, 525 Study of technique and representative literature.

Organ

Mr Gotwals.
232, 333, 434, 535 Study of technique and representative literature.

Voice

Miss Hamlin, Miss Stahl.
141 This course will require two class hours, one half-hour lesson, and four hours of practice per week. *One hour each semester.* M T 2; Th F 12.
242, 343, 444, 545 Study of technique and representative literature.

MUSIC

Violin

Mr Merrill.

151, 252, 353, 454, 555 Study of technique and representative literature.

Viola

Miss Rood.

161, 262, 363, 464, 565 Study of technique and representative literature.

Violoncello

Miss DeRonde.

171, 272, 373, 474, 575 Study of technique and representative literature.

Flute, Oboe, Clarinet, Bassoon

181, 282, 383, 484, 585 Study of technique and representative literature.

Instrumental Ensemble

Miss DeRonde, Mr Merrill.

191a, 191b, 292a, 292b, 393a, 393b, 494a, 494b Open to qualified students who are taking an instrumental course. These courses require one hour lesson and three hours of practice per week. *One hour each semester.*

THE MAJOR

Advisers: Miss Rood, Miss Smith.

Based on 11.

Essential Courses: 21, 23, 30a, and five semester hours above Grade II; a paper, due in the first week of May in the senior year, on a subject to be announced.

Optional Courses: related courses in other fields.

HONORS

Director: Mr Keppler.

Prerequisites: 11, 21, 23.

Program: students will fulfill the requirements of the major, present a paper or composition, and take a minimum of nine semester hours in other departments. Apart from these requirements the program will be planned with the director to meet individual needs.

Examinations: one general comprehensive; one involving critical analysis on a limited field of concentration in literature or composition; one oral.

Adviser for graduate study: Miss Smith.

PHILOSOPHY

PROFESSORS:	MARY EVELYN CLARKE, PH.D. ALICE AMBROSE LAZEROWITZ, PH.D. †MORRIS LAZEROWITZ, PH.D. DOROTHY WALSH, PH.D., <i>Chairman</i>
VISITING LECTURER:	JOSEPH EPSTEIN, PH.D.
INSTRUCTOR:	DAVID S. SCARROW, A.M.

The courses in philosophy which may be taken to fulfill the distribution requirement in Group C are 11, 22, 24, 33.

- 11 *Introduction to Philosophy.* Reading and discussion of some of the most important classic and modern philosophical works, to introduce the student to such topics as the relation of mind and body, sources of knowledge, freedom and determinism, nature and status of ideas. M T W 10; Th F S 9, 10, 11. Mrs Lazerowitz, Miss Walsh, Mr Scarrow.
- 21a *Logic.* Introductory course, including study of common fallacies in reasoning, theory of the syllogism, and some modern developments. The course is intended to train the ordinary student in effective use of principles of correct thinking. Th F S 9. Mrs Lazerowitz.
- 21b Repetition of 21a. Open to freshmen by permission of the instructor. Th F S 11. Mrs Lazerowitz.
- 22 *Ethics.* The outstanding moral theories of classical and modern times, with applications to practical problems. Reading will include literature of the Epicureans and Stoics, Aristotle, Kant, Bentham, Mill, Nietzsche, G. E. Moore, the Existentialists. Th F S 9. Miss Clarke.
- 24 *History of Philosophy from Thales to Kant.* Introduction to philosophy, with emphasis on its historical development. The course should be of use also to students majoring in other fields who wish to obtain an acquaintance with the history of ideas. M T W 9, 12; Th F S 10. Miss Clarke, Miss Walsh, Mr Epstein, Mr Scarrow.
- 31b *Advanced Logic.* Postulate sets. The system of *Principia Mathematica*: general propositions; definite descriptions; classes and the theory of types. Prerequisite, 21a or b. Mrs Lazerowitz.

PHILOSOPHY

- [32a *Metaphysics and Science*. Development of a new technique for the solution of philosophical problems. Its application to a selection of metaphysical theories which closely resemble scientific theories: theories of time, space, substance, causality and freedom, universals, a priori propositions. Prerequisite, six semester hours in philosophy. Mr Lazerowitz.]
- [32b *Epistemology*. General explanation of a new technique for the solution of philosophical problems. Its application to epistemological and closely related problems: our knowledge of the external world, other minds, the mind-body problem, rationalism and empiricism. Prerequisite, six semester hours in philosophy. Mr Lazerowitz.]
- 33 *Aesthetics*. A discussion of general problems, with reference to sensuous structure, emotional expression, symbolism, artistic meaning, truth, and value, judgments of appraisal. M T W 9. Miss Walsh.
- [34a *Aristotle*. Alternates with 36a. By permission of the instructor for students who have had 11 or 24. M 4, T 4-6.]
- [35b *Kant*. A Study of the *Critique of Pure Reason* and readings from the *Critique of Practical Reason*, with consideration of their influence on later philosophy. By permission of the instructor for students who have had 11 or 24. M 4, T 4-6.]
- [36a *Plato*. A systematic and historical study of the chief dialogues. Alternates with 34a. By permission of the instructor, for students who have had 11 or 24. M 4, T 4-6.]
- [36b *The Platonic Tradition*. A study of Neoplatonism, beginning with Plotinus and Proclus, leading to Marsilio Ficino and Pico della Mirandola, and ending with the Cambridge Platonists. Prerequisite, 36a. M 4, T 4-6.]
- [37b *Hegel and Hegelianism*. A historical and critical study of Hegel, the man, and his doctrine, his rivals, followers, and opponents. By permission of the instructor, for students who have had 24 or History 38a and b.]
- 38a *Oriental Philosophy*. Philosophical bases of Hinduism, Buddhism, and the metaphysical systems into which they developed. Prerequisite, six semester hours in philosophy, or History and Social Science 294a. W Th F 3. Miss Clarke.

PHILOSOPHY

310a *American Philosophy*. Philosophical ideas of Edwards, Emerson, Royce, James, Dewey, and others, with attention to the connection of these ideas with current religious, political, and moral views. Th F S 10. Mr Scarrow.

311 *Recent and Contemporary Philosophy*. James, Bergson, Whitehead, Santayana, Bradley, Russell, G. E. Moore. Prerequisite, 24. Th 4-6 and a third hour to be arranged. Mrs Lazerowitz (first semester), Miss Walsh (second semester).

40b Review Unit.

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in philosophy. *Two or three hours*.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced studies arranged individually.

[53 *A Systematic Study of Aesthetic Theory*. Miss Walsh.]

[55a *Topics in Logical Theory*. With special reference to foundations of mathematics. Mrs Lazerowitz.]

[56b *Contemporary Ethics*. Miss Clarke.]

Adviser of graduate study: Mrs Lazerowitz.

THE MAJOR

Adviser: Miss Clarke.

Based on six semester hours in philosophy.

Essential Courses: twenty-one semester hours in philosophy, including 24 (unless used as the basis of the major) and 40b.

Optional Courses: related courses in other departments.

HONORS

Director: Miss Clarke.

Prerequisites: any year course in philosophy of Grade I or Grade II; in addition 21a or b and Psychology 11a and b or 12 are advised. For other prerequisites for specific programs the director should be consulted.

PHILOSOPHY

Program: the requirements for all candidates will consist of a minimum of twenty-four hours in philosophy, plus six hours in philosophy or in a related field. The work in philosophy shall normally include two units or seminars.

Examinations: one on philosophical systems and history of philosophy; one on value theories and methodology; one on some special topic in philosophy or in a related field.

UNITS

[*Aesthetics. Six hours. First semester. Miss Walsh.*]

[*Seventeenth- and Eighteenth-Century British Philosophy. Three hours. Second semester. Miss Clarke.*]

Logic. Three hours. Second semester. Mrs Lazerowitz.

PHYSICAL EDUCATION

PROFESSORS:	DOROTHY SEARS AINSWORTH, PH.D., <i>Director</i> HELEN LOUISE RUSSELL, PH.D.
ASSOCIATE PROFESSORS:	FLORENCE MARIE RYDER, M.S. JANE ADELE MOTT, PH.D.
ASSISTANT PROFESSORS:	EVELYN F. JENNINGS, B.S. LILLIAN MANCINI BASTERT, A.M. RITA MAY BENSON, M.S. IN H.P.E. ANNE LEE DELANO, A.M. MARTHA COLEMAN MYERS, M.S. IN PHY. ED.
LECTURER:	RUTH EVANS, A.M., M.P.E. (HON.), SC.D. (HON.)
INSTRUCTORS:	CARYL MIRIAM NEWHOF, M.S. IN PHY. ED. MARJORIE HARRIS, M.S. IN PHY. ED. JEAN CAMPBELL, M.S. IN PHY. ED. JANE ANN SCHOONMAKER, B.S. MARGERIE AVIRETT, A.M. MARTHA CLUTE, A.M. BILLYE ANN CHEATUM, B.S. LOUISE SWETT, B.S. IN ED. MAE JEAN ENGEN, B.S.

Physical Education 1a and b and 2a and b are required of all students in the first two years, the type of work being adjusted to the needs and conditions of individual students. Continuous failure in these courses due to lack of interest or to unexcused absences may result in the student's being requested by the President to withdraw from college.

PHYSICAL EDUCATION

All students who are in physical education classes or use the gymnasium are required to buy uniform suits and shoes.

The Athletic Association, open to all members of the College, is under the direction of this Department.

A. Physical Education

Requirements

1a, 1b *Basic Motor Skills, Dance, and Sports.*¹ Three periods of one hour each. Required for freshmen.

Fall Term. One period, basic motor skills; two periods, swimming for those who have not passed the test, for others a choice of the following:

Archery, canoeing, crew, golf, hockey, riding, soccer, swimming, tennis, volleyball.

Adapted physical education. Miss Ryder.

The dance, modern and folk. Mrs Myers, Miss Cheatum.

Winter Term. One period, basic motor skills; two periods, a choice of:

Badminton, basketball, bowling, fencing, riding, squash, swimming, skiing.

Adapted physical education. Miss Ryder, Miss Jennings.

The dance, continuing the fall course and new sections. Mrs Myers, Miss Cheatum.

Spring Term. Three periods, beginning swimming for those who have not passed the test, for others a choice of:

Archery, campcraft, canoeing, crew, golf, lacrosse, riding, softball, swimming, tennis, volleyball.

Adapted physical education. Miss Ryder, Miss Jennings.

The dance, continuing the fall and winter courses and new sections. Mrs Myers.

2a, 2b *Dance and Sports.* Three periods of one hour each. Required for sophomores.

Each term a choice of sports and dance as listed under the corresponding term for 1a and b.

A health consultation is required for juniors and seniors, and any student who is falling below a standard which for her is reasonable must take work under the direction of the Department as follows:

3a, 3b Required for these juniors.

4a, 4b Required for these seniors.

Elective Classes and Sports

Juniors and seniors may elect work in any class listed above or in the upperclass sports sections.

¹A fee is charged for golf, riding, campcraft, and badminton.

PHYSICAL EDUCATION

In addition there are riding trips under the Riding Club and open-hour swimming at the pool.

Courts and other equipment are available to all students when not being used by classes.

B. Course in the Training of Teachers of Physical Education

This course is open to students of Smith College and to graduates of other colleges of approved standing. Students entering it will be given the opportunity to specialize in one of four fields: adapted physical education, the dance, recreation (physical education in relation to community service and clubs), sports (in relation to schools and colleges).

The course has as its basic plan classes in science and education as well as physical education. Smith College students may take the scientific and educational courses as undergraduates and in so doing will be able to fulfill the requirements for the degree in one year after graduation.

Properly qualified students from Smith and other colleges will be accepted for work toward the degree of Master of Science in Physical Education (M.S. in Phy. Ed.). Six semester hours of zoology, nine hours of education, and six hours in one of the following: bacteriology, chemistry, experimental psychology, mathematics, nutrition, physics, zoology should be offered as prerequisites. Students who have satisfactorily completed the courses equivalent to those leading to the diploma may become candidates for the degree in the first year; other students normally require two years.

It is also possible for students to take work leading to the degree of Master of Arts (A.M.) or of Master of Education (Ed.M.).

Students who wish to enter the course should present a written statement from a physician that they are in good condition and able to undertake a course in physical education. For further information write to Miss Ainsworth, Scott Gymnasium, for the special booklet describing the course.

33a, 33b *Adapted Physical Education*. The basic teaching material of preventive and corrective phases of physical education as applied to individual developmental needs. M T W 12. Miss Ryder.

42a, 42b *Methods and Materials of Physical Education*. Elementary course including the dance, recreation, and sports. Required in the first year of students entering from other colleges who have not fulfilled the requirement elsewhere. Open to undergraduates only by permission of the Director of Physical Education. Prerequisite for 42b, 42a. Two lectures, six hours of practice. Miss Evans and Members of the Department.

PHYSICAL EDUCATION

43a, 43b *The Physiology and Anatomy of Movement*. An analytical study of human motor activity. Prerequisites, Zoology 12 and permission of the Director of Physical Education. Two lectures and four hours of laboratory. Lec. Th F 11; Lab. Th F 9-11. Miss Ryder.

50, 50a, 50b Research and Thesis. *Three or six hours*. Miss Mott.

51a, 51b Special Studies. Members of the Department.

52a, 52b *Methods and Materials of Physical Education*. Advanced course offering opportunity for the student to specialize in adapted physical education, the dance, recreation, or sports. Theory, two hours; practice, six hours. Members of the Department.

53a, 53b *Gymnastics and Basic Motor Skills*. Theory, one hour; practice, two hours. *One hour*. Miss Ainsworth, Miss Ryder, Miss Delano.

54a or b *Elementary Measurement in Physical Education*. Miss Mott.

55a *History and Principles of Physical Education*. Miss Ainsworth.

55b *Organization and Administration of Physical Education*. Miss Ainsworth.

56a, 56b *Directed Practice in the Teaching of Physical Education*. Miss Jennings.

57a or 57b *Advanced Measurement in Physical Education*. History and methods of testing. Use of statistics and study of special problems. Miss Mott.

PHYSICS

PROFESSORS:	GLADYS AMELIA ANSLOW, PH.D., SC.D. (HON.) NORA MAY MOHLER, PH.D., SC.D. (HON.)
VISITING PROFESSOR:	DOROTHY WRINCH, D.SC.
ASSOCIATE PROFESSOR:	WILLIAM TAUSSIG SCOTT, PH.D., <i>Chairman</i>
ASSISTANT PROFESSOR:	IRVING L. KOFSKY, PH.D.
ASSISTANT:	IRENE S. WHITE, C.E., DIPLOM-CHEMIKER
TEACHING FELLOW:	BLANCHE ENEDRA LEATHERMAN, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Physics 11, 12, 25b with either 15a or 24a, Physical Science 193 or 194.

PHYSICS

Students who enter with a unit in physics may elect Physics 15a and 25b, 12, or either course in Physical Science. Physics 11 is open to such students only by permission of a member of the department.

Students planning to major in physics are advised to elect courses in both physics and mathematics in freshman year.

- 11 *Fundamentals of Physics.* An introduction to the laws and properties of matter, from the standpoint of mechanics, heat, sound, electricity, light, and atomic structure. Lectures, demonstrations, and discussion, three hours; laboratory, two hours. Lec. and Dis. M T W 10, 11; Lab. M Th F 2, F 9, 11. Miss Mohler, Mr Scott, Mrs White, Miss Leatherman.
- 12 *Fundamentals of Physics for Premedical Students.* The lectures are the same as in 11; in the laboratory sections applications of the subject to biological and medical problems are stressed. Lecture and discussion, three hours; laboratory, two periods of two hours each. *Four hours each semester.* Lec. and Dis. M T W 10, 11; Lab. M W 2. Miss Mohler, Mr Scott, Miss Leatherman.
- 15a *Mechanics, Electricity, and Light.* An intermediate course for students who have presented a unit of physics for entrance or who have passed Physical Science 193; open by permission of the instructor to students who enter with a unit in physical science. Lecture and discussion, three hours; laboratory, two hours. Lec. Th F S 11; Lab. T 2. Mr Kofsky.
- 24a *Electricity.* Direct current, electrical circuits and instruments, with an introduction to alternating current devices and to electronics. Prerequisite, 11, 12, or 15a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Miss Mohler, Mr Scott, Miss Leatherman.
- 25b *Wave-Motion, Sound, and Heat.* Lectures and problems on the basic principles of elasticity, wave-motion, sound, thermometry, and heat. The laboratory emphasizes precision of measurements and a variety of laboratory techniques. Prerequisite, 11, 12, 15a, or 24a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Mr Kofsky.
- 26b *Musical Acoustics.* An introduction to the study of sound, particularly as it applies to musical instruments and hearing. Lecture and demonstration. *One hour.* Th F 10. Miss Anslow.

PHYSICS

- 31a, 31b *Electronics and Atomic Physics Laboratory*. A semester of experiments in electronics leading to some independent work; one hour of lecture. Prerequisites, 24a and Mathematics 21a or 22a, or by permission of the instructor, Mathematics 12 or 13. This may be followed by a semester of experiments in atomic and nuclear physics and some related fields. Two three-hour laboratory periods and one lecture hour to be arranged. Th F 2. Mr Kofsky.
- 32a *Mechanics*. Statics and dynamics of particles and rigid bodies. Prerequisites, six hours of physics or, by permission of the instructor, 15a, and Mathematics 21a and b or 22a and b. Lectures and problems. Miss Anslow.
- 33a *Atomic Physics*. The particle and wave nature of matter and radiation; atomic structure; introduction to relativity theory. Prerequisites, 11, 12, or 15a and 25b, and Mathematics 21a and b or 22a and b (may be taken at the same time). M T W 9. Miss Anslow.
- 33b *The Nucleus*. An introduction to radioactivity, elementary particles, cosmic rays, and nuclear structure and energy. Prerequisite, 33a. M T W 9. Miss Anslow.
- [36a *Light*. Wave and particle nature, optics, interference, diffraction, polarization. Prerequisite, 11, 12, 15a, or 24a, and Mathematics 21a or 22a, or by permission of the instructor, Mathematics 12 or 13. Lec. M T 10; Lab. T 2. Miss Anslow.]
- [36b *Experimental Spectroscopy*. Spectroscopic methods and instruments. Study of atomic and molecular spectra. Prerequisite, 36a; open by permission of the instructor to students majoring in astronomy or chemistry. Lectures, two hours; laboratory, three hours. Lec. M T 10; Lab. T 2. Miss Anslow.]
- 40b *The Relation of Classical and Modern Physics*. Discussion of the development of such general laws as the conservation of energy and the law of gravitation; the relation between Newtonian mechanics and relativity; the wave properties of particles and the particle properties of waves; present attitudes toward theories and models. Discussion and reports. For seniors only. One two-hour period. Members of the Department.
- 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in physics. *Two or three hours.*

PHYSICS

- 42 *Advanced Electricity and Magnetism.* Static and dynamic electricity, direct and alternating currents, magnetism and electromagnetic fields, principles of electrochemistry, and of electronic devices and circuits. Lectures and problems. Prerequisites, 24a, or by permission of the instructor, 11, and Mathematics 21a and b or 22a and b. Mr Scott.
- 46b *Thermodynamics.* A discussion of the laws of thermodynamics, entropy, and the behavior of ideal and real gases. Prerequisites, six hours of physics and Mathematics 21a and b or 22a and b. Mr Scott.
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51a, 51b Special topics in such fields as sound, light, electricity and magnetism, thermodynamics, and kinetic theory. *Two hours or more.*
- 52a, 52b Selected problems assigned for investigation, experimental work, and discussion. *Three hours or more.*
- 53a *Principles of Mathematical Physics.*
- 54a or b *Introduction to Quantum Mechanics.* Mr Scott.
- 55a or b *Seminar in Nuclear Physics.* *Two hours or more.* Miss Mohler.
- 58a or b *Theoretical Spectroscopy.* The origin of atomic and molecular spectra and their applications to structure problems. Miss Anslow.
- 59a or b *Structure of Large Molecules.* Physics, chemistry, and geometry of biologically active molecules. *One hour or more.* Mrs Wrinch.
- Adviser of graduate study: Mr Scott.

THE MAJOR

Advisers: Miss Mohler, Mr Kofsky.

Based on 11, 12, 15a and 25b, or six hours of Grade II, or, by permission of the Department, on Physical Science 193.

Essential Courses: 33a, 33b, 40b, at least one semester of 31a, 31b; Mathematics 21a and b or 22a and b.

Optional Courses: other courses in physics and mathematics above Grade I and courses in astronomy, chemistry, and geology.

In addition to the essential courses, each student is expected to receive instruction in shop techniques in a two-hour period for one semester.

PHYSICS

HONORS

Director: Mr Scott.

Prerequisites: one year of college physics, Mathematics 12 or 13, *and* six hours of Grade II in physics or Mathematics 21a and b or 22a and b. One or two other courses in mathematics, physics, or chemistry, and a reading knowledge of French or German are advised.

Program:

Essential Courses: 33a and b and the honors paper. Mathematics 21a and b or 22a and b if not already taken.

Optional Courses: other physics courses above Grade II; advanced courses in other sciences, mathematics, or philosophy, chosen in consultation with the director; a review unit.

Examinations: written examinations covering theoretical and experimental phases of the subject in classical physics, modern physics, and in the field of specialization.

PSYCHOLOGY

PROFESSORS:

WILLIAM SENTMAN TAYLOR, PH.D.

*HAROLD EDWARD ISRAEL, PH.D., *Acting Chairman*
second semester

**ELSA MARGAREETA SIIPOLA, PH.D. *Chairman*

ASSISTANT PROFESSORS:

JEAN CARL COHEN, PH.D.

DILMAN JOHN DOLAND, PH.D.

INSTRUCTORS:

LILLIAN RAEFF, A.M.

HARVEY BURDICK, PH.D.

Unless otherwise indicated, 11a or 12 is prerequisite for every further course. A student considering a major in the Department is advised to take 11a and b. Students who plan to enter social work should consult their major advisers regarding desirable courses.

11a *Introduction to General Psychology.* A survey with emphasis on fundamental principles of human behavior and personality. Not open to students taking 12. Two lectures and one two-hour demonstration. M T 9, 10, W 9-11; M T 11, 12, W 11-1; M T 2, 3, W 2-4; F S 9, 10, Th 9-11; F S 11, Th 11-1. Miss Siipola (*Director*), Mr Doland, Mrs Raeff, Mr Burdick.

PSYCHOLOGY

- 11b *Introduction to Experimental Psychology.* Application of the experimental method to problems in psychology. Basic experiments in perception, motivation, learning, thinking. Lecture and demonstration, two hours, and one two-hour laboratory period. Open to students who have passed 11a or 12; by permission of the instructor to students taking 12. M T 9, 10, W 9-11; M T 11, 12, W 11-1; M T 2, 3, W 2-4. Mr Israel, Mr Doland.
- 12 *General Psychology.* Outline of the field and methods of psychology; basic facts and theories, including such topics as motivation, learning, perception, thinking, and personality. Not open to students taking 11a. M T W 9. Mr Taylor.
- 24a *Child Psychology.* Study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Lec. Th F 11; Rec. F 12, S 11. Mrs Cohen.
- 24b *Psychology of Adolescence.* Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Open to freshmen who have passed 11a. Th F S 10, 11. Mrs Cohen.
- 25b *Introduction to Social Psychology.* Psychological concepts basic to an understanding of man in his social environment, including such topics as socialization, social attitudes, and group behavior. Open to freshmen who have passed 11a. M T W 3. Mr Burdick.
- 31a *Methods in Psychology.* An examination of selected problems in methodology, with particular reference to experimental design and statistical analysis. Mrs Cohen.
- 31b *Experimental Psychology.* A survey of important lines of experimental investigation and major findings. Laboratory work includes illustrative applications of basic techniques and use of standard laboratory equipment. Prerequisite, 11b. Lec. T W 2, Lab. Th 4-6. Mr Burdick.
- 35a *Social Psychology of Attitudes, Opinions, Propaganda.* A study of the formation of social judgments. Prerequisite, 25b or permission of the instructor. Open to qualified sophomores by permission of the instructor. M T W 10. Mr Burdick.
- 36a *Dynamic and Abnormal Psychology.* General psychology of conscious and sub-conscious motivation, everyday problems and mechanisms of adjustment, psychoneuroses, psychoses, and mental hygiene. Two optional visits to near-by hospitals. For students who have passed 11a or 12 and are majoring in psychology, education, sociology, or premedical science, or by permission of the instructor. M T W 3. Mr Taylor.

PSYCHOLOGY

- 36b *Dynamic and Abnormal Psychology*. A continuation of 36a, which is prerequisite. M T W 3. Mr Taylor.
- 37b *Psychology of Personality*. Study of the psychological organization of the adult personality, with emphasis upon individuality rather than generalized human nature. Basic concepts and theories; experimental and clinical techniques of investigation; development of adult personality-structure. Open to sophomores by permission of the instructor. M T W 10, 11. Mrs Raeff.
- 38a *Clinical Methods in Psychology*. A survey of methods and procedures used in measuring mental ability, aptitudes, and other personality variables. Understanding of principles and problems is stressed rather than knowledge of specific techniques. Th 2-4, F 2. Mr Doland.
- 38b *Mental Tests in Clinical Practice*. Supervised practice in administering, scoring, and interpreting standard clinical tests. A minimum of fifteen hours of practice outside the laboratory. Prerequisite, 38a. Th 2-4, F 2. Mr Doland.
- 39b *Industrial Psychology*. Psychology of employers, employees, and consumers in regard to production, distribution, and consumption. An optional visit to a near-by factory. Open to qualified sophomores. Prerequisites, 11a or 12 and permission of the instructor. M T W 12. Mr Taylor.
- 40a *Theories and Schools of Psychology*. Study of the principal theoretical systems with emphasis on modern schools of behaviorism, gestalt, and psychoanalysis. M T W 2. Mr Burdick.
- 40b Synoptic Course. Th 7:30-9:30. Mr Israel with members of the Department.
- 41a, 41b Special Studies. Problems not specifically dealt with by other courses in psychology, such as research problems in experimental psychology, advanced psychology of language, special problems in child psychology, and mental tests. By permission of the Department for senior majors who have had twelve semester hours above Grade I in psychology. *Two or three hours.*
- [42b *Advanced Theoretical Psychology*. Critical study of current theories and examination of theoretical issues involved in selected problems. Prerequisite, 40a and permission of the instructor. Mr Israel.]
- [43b *Comparative Psychology* (seminar). Evolution of behavior, with emphasis on discrimination, motivation, and modifiability. Reports on special problems such as infrahuman social behavior, the experimental neurosis, inheritance of behavior traits.]

PSYCHOLOGY

- 44b *Child Psychology* (seminar). Selected problems, reports, and discussion. Prerequisite, 24a. Mrs Cohen.
- 45b *Social Psychology* (seminar). Methods, theories, and problems. Reports and discussion. Prerequisite, 25b or permission of the instructor. Mr Burdick.
- 47a *Psychology of Personality* (seminar). Intensive study of projective techniques of investigating personality. Supervised practice with standard techniques. Prerequisite, 37b. Th 11-1. Miss Siipola.
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51a, 51b Advanced Studies. Similar to 41a and b. *One hour or more.*
- [52a, 52b *Seminar in Current Psychological Problems*. Also for senior honors students by permission. *One hour or more.*]
- 56 *Abnormal Psychology*. Students will be required to attend the lectures in 36a and b. Mr Taylor.

Speech 58a *Experimental Phonetics*.

Adviser of graduate study: Mr Israel.

THE MAJOR

Advisers: Members of the Department.

Based on 11b or 12. If the major is based on 12, 11b must be taken in sophomore year or in junior year in addition to the major.

Essential Courses: twenty-one semester hours in psychology, including 40a and 40b.

Optional Courses: other courses in psychology and courses in related subjects.

HONORS

Director: Miss Siipola, first semester; Mr Israel, second semester.

Prerequisite: 11b. Courses in zoology, physics, sociology, and German are useful as background.

Program: 40a and 31a or 31b, twelve hours in other psychology courses, and six devoted to a long paper and review; nine additional hours in psychology or related subjects.

Examinations: one on general experimental and theoretical psychology; one on other fields of psychology; one a more specialized type.

RELIGION & BIBLICAL LITERATURE

PROFESSOR:	†VIRGINIA CORWIN, B.D., PH.D., <i>Chairman</i>
ASSISTANT PROFESSORS:	STEPHEN TROWBRIDGE CRARY, B.D., PH.D., <i>Acting Chairman 1955-56</i>
	RICHARD PRESTON UNSWORTH, A.B., B.D.
	ROBERT FRANCIS JOHNSON, B.D., TH.D.
	ROBERT A. GESSERT, B.S.E.E., B.D.
INSTRUCTORS:	WILLIAM FRANCIS MAY, A.B., B.D.
	VIOLETTE SEIBERT LINDBECK, B.S., B.D.

The courses in religion which may be taken to fulfill the distribution requirement are, in Group A, 11; in Group C, 14, 31a and b, 35a and b.

11 *Introduction to the Bible.* The literature of the Bible as expressing the religion of the Hebrew prophets, lawgivers, historians, and poets, and the early Christians. M T W 9 (for upperclassmen); M T W 12 (for freshmen). Mr Johnson.

14 *Introduction to the Study of Religion.* Teachings of contemporary Judaism, Roman Catholicism, and Protestantism. Problems presented by scientific thought, nationalism, and industrialized society. Survey of certain important religious ideas. For freshmen and sophomores only. Lec. Th 10. Dis. (for freshmen) Th F 3, F S 10; (for sophomores) Th F 2, 3; F S 10. Mr Crary, Mr Gessert, Mr May, Mr Unsworth, Mrs Lindbeck.

23 *Religion and Social Responsibility.* Religious critiques of power and interest in race, class, and nation. Religious principles as a basis for policy and action in contemporary society. M T W 3. Mr Gessert.

[25b *Greek New Testament.* Prerequisite, Greek 11, or the equivalent.]

[26a *The Literary History of the Bible.* The earliest scriptural collections through the history of the great translations. Prerequisite, one year of Bible studies in college. M T 4 and one hour to be arranged.]

[27b *Life and Teachings of Paul.* Prerequisite, 11. Th 2-4, F 2.]

28b *Judaism.* Its background in Hebrew times, its later literature and institutions. Modern thinkers. M T W 10. Mr Johnson.

RELIGION & BIBLICAL LITERATURE

- [29 *Hebrew*. Elementary course with readings from narratives of the Old Testament. M T W 10.]
- 31a *History of Christian Thought through the Middle Ages*. The early church fathers, Augustine, and medieval scholasticism. Th F S 9. Mr May.
- 31b *History of Christian Thought since the Middle Ages*. The formative period in Protestantism. Development of Catholic thought. Key figures and movements to the present. Th F S 9. Mr May.
- 32b *Religion in America*. Religious thought and institutions and their influence on American culture. M T W 2. Mr Gessert.
- 33a *Christian Ethics*. Major historical interpretations of Christian ethics. Some Christian moral principles and their application to specific problems. M T W 2. Mr Gessert.
- 34 *Contemporary Religious Thought*. God, human existence, and the meaning of history in the light of modern science and philosophy. Problems of reason, scepticism, and faith. M T W 11. Mr Cray.
- [35a *Great Religions*. Religions of India, China, and Japan: their literature, teachings about the world and man, modern resources and problems. Th F S 11. Miss Corwin.]
- [35b *Great Religions*. Judaism, Christianity, and Islam: leaders, religious and ethical thought, great literature, modern resources and problems. To be offered in alternate years. Th F S 11. Miss Corwin.]
- [36a *Problems of the Individual in the Bible*. His rewards and sufferings, his search for mediation between God and man, based on such books as Jeremiah, Job, the Fourth Gospel, Ephesians. Th 2-4, F 2.]
- 39a *The Religion of the Prophets*. A study of basic themes: God, Israel, history, social justice, human nature, salvation. Open to students who have taken Religion 11. M T W 10. Mr Johnson.
- [39b *Jesus in the Gospels*. A study of his teaching and mission based on the first three gospels. To be given in alternate years. Open to students who have taken Religion 11. Th F S 11. Miss Corwin.]
- 40b *Religion, Its Nature and Functions*. Readings and discussions. T 4-6.

RELIGION & BIBLICAL LITERATURE

41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in religion. *Two or three hours.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Advanced Studies. *One hour or more.*

Adviser of graduate study: Mr May.

THE MAJOR

Adviser: Mr Crary.

Based on 11 or 14.

Essential Courses: twenty-one semester hours in religion, including 40b, six hours in Biblical studies (three for those who have taken 11), and six hours in religious thought.

Optional Courses: other courses in religion and in related departments.

HONORS

Director: Mr May.

Prerequisite: 11 or 14.

Program: in junior year six semester hours in courses or units in Biblical studies and six in religious thought; in senior year one unit for the preparation of the paper and one for review. The greater portion of the work will be in units and courses in the Department, with work in related fields approved by the director.

Units will be conducted by means of regular conferences and special reading, and will usually be planned in conjunction with existing courses.

Examinations: one in a selected field of concentration; one in the general field of the major; one oral.

UNITS

Studies in the Old Testament. Mr Johnson.

[*Studies in the New Testament.* Miss Corwin.]

History of Christian Thought. Mr May.

Judaism. Mr Johnson.

The Function of Religion in the Development of Society. Mr Gessert.

[*History of Religion.* Miss Corwin.]

Contemporary Religious Thought. Mr Crary.

RUSSIAN LANGUAGE & LITERATURE

PROFESSOR:	HELEN MUCHNIC, PH.D.
ASSOCIATE PROFESSOR:	CATHERINE A. PASTUHOVA, PH.D., <i>Chairman</i>
ASSISTANT PROFESSOR:	GEORGE GIBIAN, PH.D.

The courses in Russian which may be taken to fulfill the distribution requirement in Group A are 23, 26, 35a and b.

- 11 *Elementary Course*. Five class hours. *Three hours each semester*. M T W 10, Th 10-12. Mrs Pastuhova.
- 21 *Selections from Russian Prose and Poetry*. Prerequisite, 11 or the equivalent. M T W 9. Mrs Pastuhova. (L)
- 23 *Literature of the Nineteenth Century*. Development of Russian realism. Study of some typical works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy, with discussion of important trends in social and aesthetic ideas which they represent. Conducted in Russian. Prerequisite, 21 or the equivalent. Miss Muchnic. (L)
- 31 *Advanced Course*. Reading from classical and Soviet literature, with emphasis on roots and structure of the language, based on the history of Russian civilization. Prerequisite, 21 or permission of the instructor. Mrs Pastuhova. (L)

LITERATURE IN TRANSLATION

- [26 *History of Russian Literature*. From the beginnings to Turgenev. Alternates with 35a and b. M T W 11. Miss Muchnic.]
- 35a *Tolstoy*. Not open to students who have had or are taking General Literature 291. M T W 11. Miss Muchnic.
- 35b *Dostoevsky*. M T W 11. Miss Muchnic.
- [36b *Russian Drama*. Study of the masterpieces of the Russian theatre from the beginnings to recent years, with emphasis on Gogol, Ostrovsky, Chekhov, and Gorky. M T W 2. Mr Gibian.]
- 40b Review Unit.

RUSSIAN LANGUAGE & LITERATURE

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Russian. *Two or three hours.*

42b *Seminar in Soviet-Russian Literature.* Poems, plays, and novels of selected Soviet authors considered as works of literary art and as illustrations of the social, economic, and political conditions of the period. T 4-6. Mr Gibian.

THE MAJORS

Advisers: members of the Department.

A. Russian Major

Based on 21.

Essential Courses: 23, 26, 35a, 35b, 40b, History 317a.

Optional Courses: 31, 36b, 42b, Economics 319a, Government 31, other courses in related fields.

B. Major in Russian Civilization

Based on 11 and History 11.

Essential Courses: 21, 26, 35a, 35b, 40b, Economics 319a or Government 31, History 317a.

Optional Courses: 36b, 42b, further work in Russian language, courses in related fields.

HONORS

Director: Miss Muchnic.

Prerequisites: 21, 26.

Program: 23, 35a, 35b, 42a, History 317a; at least twelve hours in units and seminars in the Department or in other departments within the field of correlation; a long paper in first semester of senior year to count for three hours.

Examinations: (1) on the whole field of Russian literature; (2) on Russian history; (3) on the field of correlation; (4) on language with translation from Russian into English, and from English into Russian, and a brief composition in Russian.

For students who choose honors in Russian Civilization an appropriate course in government or economics will be substituted for Russian 23 and the examination in language will be omitted.

SOCIOLOGY

PROFESSORS:	CHARLES HUNT PAGE, PH.D. NEAL BREAULE DENOOD, PH.D., <i>Chairman</i> MARGARET ALEXANDER MARSH, A.M.,
ASSISTANT PROFESSORS:	ELY CHINOV, PH.D. MICHAEL SEYMOUR OLMSTED, PH.D.
LECTURER:	FLORENCE ROBERTS DAY, M.SC. (SOC. ADMIN.), Director of the Smith College School for Social Work
INSTRUCTOR:	FAYE VON MERING, PH.D.

The courses in sociology which may be taken to fulfill the distribution requirement in Group E are Sociology 26, 34a and b, Social Science 192.

Students planning to major or to do honors work in sociology are advised to select from the following: Psychology 11a, 12, 25b; Economics 21; Government 11, 21; History 11, 13, 323a; Philosophy 11, 22, 24; History and Social Science 293.

Students who plan to enter the field of social work should consult their major advisers regarding desirable courses.

Unless otherwise indicated the prerequisite for Grade III courses is 26 or Social Science 192.

- 26 *The Study of Society and Culture.* Analysis of social structure, institutions, and change on the basis of sociological and anthropological studies of various societies, including the United States. Open to freshmen by permission of the director. Lec. M 10. Dis. T W 10, 11, 12; Th F 10, 11. Mr Page (*Director*), Mr Chinov, Mr Olmsted, Mrs von Mering.
- 27b *Principles of Sociology.* The cultural order, group structure, major social institutions, social change analyzed with an emphasis on comparative materials from various societies. For students who have passed Social Science 192 and for certain transfer students. M T W 12.
- 31b *Urban Sociology.* Comparative study of cities; social relations in the city; problems of urban and suburban growth and development; the urbanization of American society. Offered in alternate years. M T W 2. Mr Chinov.
- 32a *Social Disorganization.* Theory of social disorganization; delinquency, crime, and related problems. Psychology 11a or 12 may be offered as prerequisite. Th F S 9. Mr DeNood.

- 32b *Social Disorganization*. Family disorganization; mental deficiency and pathology; and related problems. Optional field trip. Psychology 11a or 12 may be offered as prerequisite. Th F S 9. Mr DeNood.
- 33a *Social Anthropology*. A comparative study of the social, religious, and political structure of selected pre-literate societies. 34a or 34b may be offered as a prerequisite in place of 26. M T W 12. Mrs von Mering.
- 34a *The Expansion of Western Culture*. Social consequences of contact between Western and non-Western cultures. Problems applied to Latin America, Africa, and the Moslem world. No prerequisite. Th F S 10. Mrs Marsh.
- 34b *The Expansion of Western Culture*. Problems of culture contact and culture change applied to Asia and the islands of the Pacific. No prerequisite. Th F S 10. Mrs Marsh.
- 35a *The Modern Family*. Analysis of courtship, marriage, and family life with relation to changing and persistent values and attitudes; emphasis on women's roles. For seniors without prerequisite; for others with prerequisite as stated above. M T W 11. Mr Page.
- 36a *Group Organization and Leadership*. Sociological and psychological analysis of types of leaders and followers; conceptions of group cohesion. Selected problems of informal groups, bureaucracy, and modern mass society. M T W 2. Mr Olmsted.
- 37b *Racial and Ethnic Relations*. The application of sociological and anthropological findings to the study of "minority group" relations in the modern world, with particular emphasis on the United States. M T W 3. Mr Page.
- 38b *The Sociology of Social Planning*. Study and analysis of social planning in health, education, recreation, welfare, housing, and community reorganization. Emphasis on twentieth century developments in the United States. Th F S 11. Mr DeNood.
- [39a *Social Work in the American Community*. Development and theory of modern social services; the basic processes: casework, group work, and community organization. Prerequisite, the introductory course in economics, government, psychology, sociology, or Social Science 192. Alternates with Education 31a. M T W 10. Miss Day.]

SOCIOLOGY

- 311a *Class Structure in American Society*. Analysis of the American class system, with particular emphasis upon the nature and role of the middle class. The social and political consequences of economic stratification, status systems, and social mobility. M T W 3. Mr Chinoy.
- 312a *Selected Sociological Theories*. Critical analysis and application of theories of Durkheim, Sumner, Simmel, Cooley, Weber, Thomas, and Znaniecki. Th F S 11. Mr DeNood.
- [313b *The Sociology of Occupations*. Analysis of the social roles and social relationships of various types of workers: professional and executive personnel, white-collar workers, factory workers. Consideration of the problems of gainfully employed women. Offered in alternate years. M T W 2. Mr Chinoy.]
- 324b *Population Problems and Policies*. The crucial role of population in current world developments. Trends and significance of basic factors: births, deaths, and migration. Population quality. Comparative survey of the population situation and policies in important areas of the world. Prerequisite, completion of Group E distribution requirement. M T W 9. Mr Mair.
- 40b *Problems of Scope and Method*. Theory and research in contemporary sociology. Mr Page (*Director*).
- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in sociology. *Two or three hours*.
- 43b *Seminar in Social Research*. Theory and logic of inquiry in relation to research techniques: questionnaires, interviews, case studies, participant observation. By permission of the instructor. Mr Olmsted.
- 44a, 44b *Seminar in Social Institutions*. Structure, functions, dynamics, and integration of contemporary institutions. By permission of the instructor. Mr DeNood.
- 45a *Seminar in Social and Cultural Change*. Theories of social change. Analysis of selected social and cultural trends in the mass society. By permission of the instructor. Mr Page.
- HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject for 1956: Modern Canada and Mexico: a Study in Comparative Development. By permission of the director. Mrs Holmes (*Director*), Miss Carter, Mrs Marsh, Mr Miller.

SOCIOLOGY

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Special Advanced Studies in such subjects as advanced theory, social organization and disorganization, culture contacts, problems of scientific methodology. *One hour or more.*

Adviser of graduate study: Mr Page.

THE MAJOR

Advisers: Mr Page, Mr DeNood, Mr Chinoy, Mr Olmsted.

Based on 26, or on Social Science 192 and Sociology 27b.

Essential Courses: twenty-one semester hours above Grade II in sociology including 312a and 40b.

Optional Courses: other courses in sociology; appropriate courses in allied departments.

Majors may spend the junior year abroad if they meet the college requirements as stated in the description of the Junior Year Abroad.

HONORS

Director: Mr Chinoy.

Prerequisite: Candidates are urged to take introductory courses in two or more of the following departments: economics, government, history, philosophy, psychology.

Program: units, seminars, and courses, including six hours in advanced sociological theory, preferably in junior year; three or six hours for a long paper in first semester of senior year; three hours for directed reading and review in the second semester; and twelve additional hours in sociology.

Examinations: one in theory and two in fields of concentration which may also include sociological theory.

UNITS

The units will count for three or six hours each.

Basic Sociological Theory. Mr DeNood (first semester).

Current Problems in Sociological Theory. Mr Page (second semester).

Expansion of Western Culture. Mrs Marsh (first semester).

Social Stratification. Mr Chinoy (first semester).

Social Disorganization. Mr DeNood (second semester).

Other units may be offered upon request.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

PROFESSORS:	RUTH LEE KENNEDY, PH.D. KATHERINE REDING WHITMORE, A.M., D.LIT. (MADRID)
ASSOCIATE PROFESSORS:	MIGUEL ZAPATA Y TORRES, PH.D. HELEN JEANNETTE PEIRCE, A.M., <i>Chairman</i>
ASSISTANT PROFESSORS:	JOAQUINA NAVARRO, PH.D. MANUEL DURÁN, PH.D.
INSTRUCTOR:	‡JEAN BRATTON, A.M.

The course in Spanish which may be taken to fulfill the distribution requirement in Group A is 25.

The following preparation is recommended for students who intend to take the Spanish or Latin-American major: courses in classics, either in the original or in translation; courses in other European literatures and history; a reading knowledge of another foreign language.

PORTUGUESE

- 21 *Elementary Portuguese*. Prerequisite, two years of Spanish or permission of the instructor. Miss Peirce.
- 22a, 22b *Reading of Modern Portuguese Prose*. Prerequisite, 21. One hour. Miss Peirce.

SPANISH

A. Language

- 11 *Elementary Course*. M T W 3, Th F S 10. Members of the Department.
- 11D *Elementary Course* (covering the work of two years). *Six hours each semester*. M T W Th F 9, 11, and one hour to be arranged. Members of the Department. (L)
- 12 *Intermediate Course*. Grammar review and reading of modern prose. Prerequisite, two units in Spanish or 11. M T W 9, 10; Th F S 9, 11. Members of the Department. (L)
- 13 *Grammar, Composition, and Reading*. Discussion of modern Spanish novels, plays, and poetry. Prerequisite, three units in Spanish. M T W 9. Members of the Department. (L)

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

- 21a *Prose Composition*. Prerequisite, 11D, 12, 13, or 16. W Th F 2. Miss Peirce.
- 31b *Advanced Prose Composition*. Prerequisite, 21a. Th F S 10. Mr Zapata.
- 32a *Teachers' Course*. Review of Spanish grammar. Discussion of methods. Practice teaching. Prerequisite, 21a or 25. Miss Kennedy.
- 33b *Advanced Translation into English*. The material to be translated will be taken from current publications, letters, technical articles.

B. Conversation

- 14a, 14b *Conversation*. Two class hours. One hour. M T 2.

C. Literature

The prerequisite for courses of Grade III in this division is 25.

- 16 *A Study of Some Aspects of Spanish Life and Culture*. Reading in Spanish, discussion in English. Prerequisite, three units in Spanish or 12 or 11D. M T W 10; Th F S 10, 11. Members of the Department. (L)
- 25 *Reading of Modern Novels, Plays, and Poetry*. Prerequisite, four units in Spanish, 11D, 12, 13, or 16. M T W 11; Th F S 9, 12. Members of the Department. (L)
- 34a *Masterpieces of Spanish Literature to the Beginning of the Sixteenth Century*. Th F S 10. Mr Zapata.
- 35b *Literature of the Spanish Renaissance*. Garcilaso de la Vega, Fray Luis de León, San Juan de la Cruz. Mr Durán.
- 36a *Cervantes: Don Quijote*. M T W 12. Mr Durán.
- 36b *Drama of the Seventeenth Century*. Lope de Vega, Tirso de Molina, Calderón. M T W 12. Miss Kennedy.
- 37a *Nineteenth Century: The Romantic Period*. M T W 11. Miss Navarro.
- 37b *Nineteenth Century: The Modern Novel*. M T W 11. Mrs Whitmore.
- [38a *Contemporary Spanish Literature*. M T W 10. Mrs Whitmore.]

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

310a, 310b *South American Literature*. A study of representative works and authors from the colonial period to the present. Recommended background, History 13 or 325a. Miss Peirce.

40b Correlation of work in the major field.

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Spanish. *Two or three hours*.

D. Graduate Courses

Students who wish to do graduate work in the Department are required to have a knowledge of Latin.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced studies in Spanish literature, arranged in consultation with the adviser of graduate study, on subjects such as poetry of the golden age, Cervantes, Tirso and the Spain of his epoch, nineteenth-and twentieth-century prose.

52 *History of the Spanish Language*. Mr Zapata.

53a or b *Spanish Bibliography and Literary Methods*. Miss Kennedy.

Adviser of graduate study: Miss Kennedy.

THE MAJORS

Advisers: Miss Kennedy for 1956, Mrs Whitmore for 1957.

A. The Spanish Major

Based on 11b, 12, 13, or 16.

Essential Courses: from Division A, 21a and 31b; from Division C, 40b and nine semester hours above Grade II normally so distributed as to include work in each of the three major periods.

Optional Courses: other Spanish courses above Grade I or courses in related departments.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

B. The Latin-American Major

Based on 11b, 12, 13, or 16.

Essential Courses: 310a, 310b, 40b; History 325a.

Optional Courses: 31b, any Grade III course from Division C; Portuguese 21, 22a and b; History 420b; Geology 32a; Sociology 34a; any course of Grade III or IV treating some phase of Latin-American Civilization.

HONORS

Director: Miss Kennedy.

Prerequisites: 11b or the equivalent; 25 and, if possible, 21a and 31b.

Program:

Minimum requirement: two units in language before second semester of senior year; a paper and review in senior year.

Optional courses or units to be selected in consultation with the director.

Examinations:

1. In Spanish: to test ability to use the language.
2. In English: (a) on the whole field; (b) on a special field; (c) on a great writer *not* of the special field.

SPEECH

ASSISTANT PROFESSORS:	†CHARLOTTE H. FITCH, A.M. JAY SAVEREID, M.A., <i>Chairman</i>
INSTRUCTOR:	VINCENT C. BRANN, A.M.
VISITING LECTURER:	CLARENCE V. HUDGINS, PH.D.

11a *Introduction to Speech.* Theoretical and practical foundation in the common speech elements of public speaking, discussion, interpretation, radio, and theatre. Individual conferences and recordings. M T W 10, Th F S 10. Mr Saveroid.

11b Repetition of 11a. M T W 11.

12a *Voice Theory and Practice.* The historical, physiological, and phonetic bases of speech. Intensive work on the improvement of the individual speaking voice. Individual conferences and recordings. M T W 11. Mr Brann.

SPEECH

12b Repetition of 12a. M T W 10, Th F S 10.

[14 *Speech for the Theatre*. The historical, physiological, and phonetic bases of speech. Intensive work on the training of the speaking voice for stage needs. Practical experience in pantomime, improvisations, and scenes from plays. Individual conferences and recordings. Th F S 11.]

21a *Voice Training*. A laboratory course adapted to individual voice and articulatory needs. Voice recordings. Two class hours. One hour. M T 3. Mr Savereid.

21b *Voice Training*. Continuation of 21a. M T 3.

22b Repetition of 21a. Th F 11.

23b *Public Speaking*. Principles, history, and criticism of public address and practice in expository and persuasive speaking. Open to freshmen who have had Speech 11a or 12a. M T W 12. Mr Savereid.

[24 *Advanced Speech for the Theatre*. Problems in speech and action for the stage. Acting and directing of scenes from plays of various types and periods. Prerequisite 12a or b, or 14. M T W 12. Miss Fitch.]

26b *Oral Interpretation of Literature*. The history, principles, and techniques of oral interpretation. Study and oral presentation of selected literary forms. Open to freshmen who have had Speech 11a or 12a. M T W 11. Mr Brann.

[28 *Phonetics for Foreign Students*. Formation of English speech sounds, their distribution in connected speech, stress, intonation, and rhythm. Two class hours. One hour each semester.]

31 *Radio*. History, principles, and techniques of radio production. Practical experience in selected types of radio programs. Four class hours. M Th 4-6.

[33a *Discussion*. Principles and methods of discussion and their application in the consideration of contemporary problems. M T W 12. Mr Savereid.]

35a *Play Reading*. Theory and techniques of play reading as an art form. Study and presentation of selected plays from world drama. Recommended background, three semester hours of a grade I speech course. M T W 12. Mr Brann.

SPEECH

- 38b *Oral Interpretation of Children's Literature.* A critical study of children's literature. The techniques of its oral interpretation. Practical experience in story-telling, reading aloud, choral speaking, and creative dramatics. Th F 12 and a practice hour to be arranged. Mr Brann.
- 48a *Speech for the Classroom Teacher.* The development of speech in the child, problems of defective speech, speech arts in the classroom, and the speech of the teacher. Voice recordings. Th F 12 and an hour for practice and observation to be arranged. Mr Brann.
- [48b *The Teaching of Speech.* Content and methods for the teaching of speech as applied to various age levels and school activities. Observation and directed practice teaching. Prerequisite, twelve semester hours in speech or theatre. Th F S 9.]
- [58a *Experimental Phonetics.* The methods and subject matter of experimental phonetics and their application in speech teaching and speech correction, with special reference to the speech of the deaf. Prerequisites, a fundamental course in speech and Physics 11 or Psychology 11a, or permission of the instructor. Mr Hudgins.]

THEATRE

PROFESSOR:	SAMUEL ATKINS ELIOT, A.B.
ASSOCIATE PROFESSORS:	EDITH BURNETT, B.S. DENTON M. SNYDER, M.A., <i>Chairman</i>
INSTRUCTORS:	JOAN FORD, A.B. ROBERT E. ROCKMAN, M.A. DAVID SHABER, M.F.A.
TEACHING FELLOWS:	BARBARA A. BAIRD, A.B. MARY ANN FRUTH, A.B. VIOLA RYDER, A.B.
TECHNICAL ASSISTANT:	GEORGE RUSHTON ROUNDS, B.A.

The courses in theatre which may be taken to fulfill the distribution requirement are, in Group A, 23 and, in Group B, 11.

A. HISTORICAL AND THEORETICAL COURSES

- 11 *Introduction to Theatre.* An historical survey of the theatre, with attention to selected periods, ancient and modern. The place of the theatre in art and society. Readings in the drama of western civilization. Lectures, discussions, and demonstrations. Lec. M T 11. Dis. W 11, 12; Th 12. Mr Rockman.

THEATRE

- 23 *Forms of the Drama.* A study of the principal forms, European and Asiatic, with special attention to the different kinds of theatre and to the greatest plays and playwrights from Aeschylus to Hebbel. M T W 3. Mr Eliot.
- 35a *Shaw and his Contemporaries.* Drama in Britain, Ireland, and the United States in the last hundred years, especially in 1890-1940. Th 4-6, F 4-5. Mr. Eliot.
- 35b *Drama in Asia.* India, the Indo-Chinese and Malay countries, Tibet, China, and Japan. Mr Eliot.
- 36 *Modern European Drama.* Drama (in translation) in Russia, Norway (Ibsen, Bjornson), Sweden (Strindberg), France after 1848, Germany after 1888, Austria, Hungary, Italy, and Spain. M 4-6, T 4-5. Mr Eliot.
- 38 *Play Analysis.* A course designed to develop an understanding of play structure in various forms. A study of and practice in handling the elements of dramatic composition. Mr Shaber.
- 40b *Synoptic Course.* Designed to help each student unify the work in her major field. Mr Eliot and members of the Department.
- 41a, 41b *Special Studies.* By permission of the Department for senior majors who have had twelve semester hours above Grade I in theatre. Two or three hours. Members of the Department.
- 45 *Theatre Criticism.* A course designed to provide a basis for criticism of theatre; theories of criticism applied to the play and production. Recommended background, Theatre 11. M 2-3, W 2-4. Mr Rockman.

B. Theatre Practice

- 12 *Basic Movement for Acting and Dance.* One hour each semester. Lec. W 10 or 2; one supervised practice hour to be arranged. Miss Burnett and Miss Ford.
- 22 *Dance and Mime.* Technique, elementary composition, and survey of dance history. By permission of the instructor. Lec. T 9; four supervised practice hours, M W 9 and two hours to be arranged. Miss Burnett and Miss Ford.
- 32a, 32b *Choreography.* Advanced course designed to emphasize individual and group creative expression through the medium of modern dance. Technique, original composition, and production. Prerequisite for 32a, 22; for 32b, 32a. Six studio hours. M T W 11 and three hours to be arranged. Miss Burnett and Miss Ford.

THEATRE

[*33 *Acting*. Exercises in concentration, imagination, and observation, preparatory to a study of the actor's approach to a role. Lecture-recitation. W 2 and a two-hour lab. to be arranged.]

*34a, 34b *Scene Design*. A study of pictorial organization for the support of action and characterization in the production of a play. Included are the technical problems of floor plans, working drawings, and lighting. 34a is a prerequisite for 34b. T 3-4, Th 2-4. Mr Snyder.

37a *Playwriting*. Practice in writing the one-act play. Two or three hours. Mr Shaber.

37b *Playwriting*. 37a is not a prerequisite, but students who have passed it will write a full-length play.

41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in theatre. Two or three hours. Members of the Department.

42a, 42b *Advanced Playwriting*. Prerequisite, 37a or b or the equivalent. One hour or more. Mr Eliot.

43a, 43b *Writing for Radio and Television*. Study and practice in the preparation and production of radio and television scripts. Recommended background, Speech 31. Mr Shaber.

*44 *Directing*. The study and application of directorial techniques: casting, rehearsal, movement and grouping, stage business, and dramatic interpretation. Each student will direct a one-act play for class presentation. T 2-3, Th 11-1. Lab. to be arranged. Mr Snyder.

* Six hours per week crew work will be required during each of the four-week preparation periods for the two major productions.

C. Graduate Courses

50a and b *Research and Thesis*. Three or six hours. Members of the Department.

51a and b *Advanced Studies* arranged in consultation with the Department. One hour or more.

52 *Rehearsal and Production*. Theory and practice on Department productions; advanced work in direction, acting, lighting, and stage design. *Three or six hours each semester*. Members of the Department.

Adviser of graduate study: Mr Snyder.

THEATRE

THE MAJOR

Adviser: Mr Snyder.

Based on 11.

Essential Courses: Speech 12a or b and Theatre 40b required of all majors, and in addition, 22, 33, 34a, 34b, and 44; *or* 22, 32a, 32b, 33, and 44; *or* 23, 38, 44, and six semester hours from Section A.

It is advisable for students to have taken 22 or 23 by the end of sophomore year.

(Students deficient in speech or movement may be required to take Theatre 12 or Speech 22 during their junior or senior year.)

Optional Courses: Three semester hours selected from Theatre or approved courses in Speech, English, or other departments.

HONORS

Director: Mr Snyder

Prerequisites: Theatre 11 and 22.

Program: The requirement will consist of:

(1) a course of study arranged for the junior and senior years with emphasis on techniques of production, dance, theatre history, or creative writing and research. Students may combine this basic work with courses in art, English, languages, music, speech, theatre, or any other field approved by the director.

(2) An independent piece of work counting for six hours which may take the form of a thesis in the literature, art, or history of the theatre; an original play; creative work in design, acting, direction, or stagecraft.

Examinations: two written and one oral along the following lines: historical, theoretical and literary, technical.

ZOOLOGY

PROFESSORS:

ERNEST CHARLES DRIVER, PH.D.

LOIS EVELYN TE WINKEL, PH.D.

ESTHER CARPENTER, PH.D., *Chairman*

ASSOCIATE PROFESSOR:

ELIZABETH SANDERS HOBBS, D.SC.

ASSISTANT PROFESSORS:

B. ELIZABETH HORNER, PH.D.

GEORGE WARREN DE VILLAFRANCA, PH.D.

VISITING LECTURER:

EUNICE CHACE GREENE, A.M.

INSTRUCTORS:

MILDRED ANN CAMPBELL, A.M.

ANN NORDSTROM, M.A.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Zoology 11, 12, Biological Science 195.

Students planning to major in zoology are advised to take 11 in freshman year and general botany or chemistry before the junior year. See also preparation required for honors work.

- 11 *General Zoology.* Introduction to the study of animals, including the fundamental principles of biology and a comprehensive survey of the animal kingdom. Laboratory work consists of dissection, experiments, and practice in the use of the microscope. Two lectures and two two-hour laboratory periods. Lec. Th F 2. Lab. M T 9, 11, 2; Th F 9, 11. Miss Carpenter, Mrs Hobbs, Miss Horner, Miss Campbell.
- 11b The second semester of 11 for students who have passed 12, Biological Science 195, or Botany 11. Hours and instructors as in 11.
- 12 *The Anatomy and Physiology of Man and Other Mammals.* A study of the structure and functions of systems for support, motion, nutrition, reproduction, control, and integration. Two lectures and two two-hour laboratory periods. Lec. Th F 11. Lab. M T 9, 11, 2, 4; Th F 9, 2. Miss Te Winkel, Mrs Greene, Mr de Villafranca, Miss Nordstrom.
- 22 *Comparative Anatomy of Vertebrates.* Comparison and probable evolution of structures in a series of chordates from amphioxus to mammal. Prerequisite, 11, 12, or Biological Science 195; open to geology majors by permission of the instructor. Two lectures and two two-hour laboratory periods. Lec. M T 11; Lab. M T 2, Th F 9. Miss Horner.
- [31a *Nutrition.* Human nutrition and its relation to the composition, supply, selection, preparation, and cost of food. By permission of the instructor. Lectures and demonstrations. Th F 9-11.]
- 32 *General Physiology.* Experimental study of animal functions, their interrelations and their regulation. For students who have passed 12 or have passed or are taking 22, and Chemistry 11 or the equivalent. Two lectures and two two-hour laboratory periods. Lec. W 9, 10; Lab. M T 9, 2. Mr de Villafranca, Miss Nordstrom.
- 33 *General Embryology.* The formation and development of the embryo with emphasis on vertebrate types. Where possible, experiments are performed on living material. For students who have passed 12 or 22 or are taking 22. Two lectures and four hours of laboratory. Lec. Th F 2; Lab. Th F 3-5. Miss Te Winkel.

ZOOLOGY

- [34a *Entomology*. Introductory study of insects, with field trips. Prerequisite, 11. Th F 11-1 and two hours of independent work.]
- 36b *Genetics*. Principles of heredity, with economic and eugenic applications. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195 and, for sophomores, permission of the instructor. Open to students majoring in sociology or education by permission of the instructor. Two lectures, one two-hour laboratory period, and two hours of independent work. Lec. M T 11; Lab. W 11-1. Miss Campbell.
- 37 *Histology*. A study of animal tissues including their origin, differentiation, functions, changes with environment and with age, and their arrangement in organs. The laboratory work will include methods of preparation of material for microscopic examination. Prerequisite, 11 or 12. Lec. or Dem. Th F 9; Lab. Th F 11-1. Miss Carpenter.
- 38 *Animal Taxonomy and Ecology*. Field and laboratory work on animal identification and habits. Lectures on early American naturalists, methods of nature study, and wild-life conservation. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195. Two lectures and four hours of laboratory or field work. Lec. M T 2; Lab. M T 3-5. Mr Driver.
- 311a *Protozoology*. Free-living and parasitic protozoa and their relationships to other animals including man. Prerequisite, 11, 12, or Biological Science 195. Open to sophomores by permission of the instructor. Th F 11-1 and two hours of independent work. Mrs Hobbs.
- 40b Review Unit. Members of the Department.
- 41, 41a, 41b Special Studies. Problems not dealt with in other courses in the Department. By permission of the Department for senior majors who have had twelve semester hours above Grade I in zoology. Two or three hours.
- 42b *Advanced Physiology*. Properties and functions of products synthesized by living organisms, including enzymes, hormones, vitamins, and other specific substances. Prerequisites, 32 and Chemistry 31. Two lectures and four hours of laboratory. Lec. F 2-4; Lab. Th 2-6. Mr de Villafranca.
- 43a *Development of Zoological Concepts*. Study of man's continuous effort to analyze and reduce to system the knowledge of living organisms and to interpret the phenomenon of life, with special attention to the development of the concept of species and theories of evolution. Open, by permission of the instructor, to students not majoring in zoology. Lec. M T W 11. Mr Driver.

ZOOLOGY

Research Courses

In these courses the work is individual and involves, in addition to the laboratory work upon which it is based, extensive reading and conferences with the instructor at stated intervals. A reading knowledge of French and German is desirable. *Two hours or more each semester.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies. *One hour or more.*

52a, 52b *Embryology*. Prerequisite, 33. Miss Te Winkel.

53, 53a, 53b *Anatomy* (prerequisite, 22) or *Ecology* (prerequisite, 38). Mr Driver, Miss Horner.

54 *Recent Advances in Zoology* (seminar). Reading and individual reports. *One hour each semester.*

[56, 56a, 56b *Entomology*. Prerequisite, 34a.]

57, 57a, 57b *Physiology*. Prerequisite, 32. Mr de Villafranca.

58a, 58b *Histology and Cytology* (prerequisite, 37); 58 *Tissue Culture* (prerequisites, 37 and Bacteriology 22.) Miss Carpenter.

59 *Genetics*. Prerequisite, 36b.

510, 510a, 510b *Protozoology*. Prerequisite, 311a. Mrs Hobbs.

Adviser of graduate study: Miss Te Winkel.

THE MAJOR

Advisers: Mr Driver, Miss Te Winkel, Miss Carpenter, Mr de Villafranca.

Based on 11, 12 or Biological Science 195. If based on 12 or 195, 11b must be taken later.

Essential courses: 22, 40b, and twelve semester hours in zoology above Grade II.

Optional courses: other courses in zoology; related courses in the sciences, or other subjects by permission of the adviser.

ZOOLOGY

HONORS

Director: Miss Horner.

Prerequisites: 11 or 11b and 22; Chemistry 11 or its equivalent. Normally these courses should be taken before junior year.

Program:

Requirements: 32, 33, 43a, and three additional hours in zoology; three hours throughout the year on an individual problem, paper, and review.

Optional courses approved by the director.

Examinations: two will cover the general field, the third may be of a specialized character.

INTERDEPARTMENTAL MAJORS

AMERICAN STUDIES

Adviser to the major: Mr Sheehan.

This major aims to bring into a single focus certain courses which explore the history of thought and expression in the United States. It is limited to 25 students from each class.

Based on History 11 (or another college course in European History approved by the adviser) and History and Social Science 293 or English 212.

Essential courses:

Six hours chosen from History 319a and b, 320a, 321a, 321b, 322a, 322b, 323a, 327b, 414a, 415b.

Twelve hours from English 321a, 321b, 417b, Art 313a, 313b, Government 33b, 38a, Religion 32b, Education 36b, Philosophy 310a, or, with the approval of the adviser, relevant courses in government, economics, sociology.

Six hours:

American Studies 31a. Contributions of particular fields to the study of American civilization as a whole. For juniors majoring in American Studies. Mr Sheehan, *director*.

American Studies 40b. *Integrating Course*. Mr Sheehan.

It is recommended that students also elect courses dealing with European civilization.

INTERDEPARTMENTAL MAJORS

HONORS

Director (1955-56): Mr Sheehan.

Students eligible for honors work in American Studies must fulfill the same general requirements as the regular majors. Their programs must include at least one unit or seminar in their junior and their senior years, the writing of a long paper, and comprehensive examinations.

GENERAL LITERATURE

Adviser to the major: Mr Gibian.

Advisory Committee: Mr Arvin, Mr Graham, Miss Muchnic, Miss Peoples.

This major allows the student to concentrate in the literature of two languages: English and one foreign language, or two foreign languages. Students who plan to elect this major and have entered with less than three units of Latin or Greek or a combination of the two will be required to take Latin 12b, Greek 11, 12a, or six hours of the classics in translation. Whenever possible, they should begin to plan the major in the spring of freshman year, and they will not be allowed to enter it later than the fall of junior year.

Based on two of the following: General Literature 291, Greek 12a and 12b or Latin 14a and 14b, English 21, French 26, German 26, Italian 26, Spanish 25, Russian 21. (When General Literature 291 is used as a basis, English 21 must be taken in addition to the major in the junior year.)

Essential Courses: twelve semester hours in literature courses in each of the two departments of concentration (eighteen of these twenty-four hours must be above Grade II): six semester hours of a third literature either in the original or in translation; General Literature 40b (Review unit).

The student is expected to attain (1) a knowledge of the development of two modern literatures in each of two comparable periods, or (if one of her choices is Greek or Latin) a knowledge of the influence of a major figure or genre on a modern literature, and (2) a special understanding of at least one major figure in each of the principal literatures chosen.

Optional Courses: supplementary literature courses in other periods and relevant courses in other fields.

HONORS

Director: Mr Gibian.

Students taking honors in General Literature are expected to fulfill the same general requirements as the regular majors. Their programs must include at least one unit or seminar each year, the writing of a long paper, and comprehensive examinations.

INTERDEPARTMENTAL MAJORS

SCIENCE

The interdepartmental majors in science are designed as preparation for (1) professional schools such as medicine, public health, or nursing; (2) graduate study in those fields which involve a thorough knowledge of more than one science, *e.g.* biochemistry, biophysics, or bacteriology; (3) laboratory work. Because it is advantageous to have basic training in chemistry, physics, zoology, and mathematics, it is urged that the student see the advisers of these majors as early as possible in freshman year.

Students planning to enter schools of nursing may consult Mrs Hobbs for information concerning entrance requirements for these schools.

BACTERIOLOGY

The Interdepartmental Major may be found in the offerings of the Department of Bacteriology and Public Health.

PHYSIOLOGICAL CHEMISTRY

Adviser to the major: Mr de Villafranca.

Essential Courses: Bacteriology 22; Chemistry 11, 21, 31, 42a; Zoology 12 or 22, 32; Chemistry 42b or Zoology 42b.

(Chemistry 42a and Chemistry or Zoology 42b will serve as the integrating course in this major.)

Optional Courses: other courses in chemistry, bacteriology, zoology, physics, mathematics, or Botany 35 with the approval of the adviser.

HONORS

Director: Mr de Villafranca.

Prerequisites, normally taken before junior year: Chemistry 21; Mathematics 12 or 13; Zoology 12.

Program:

Requirements: Bacteriology 22; Chemistry 31, 42a; Physics 11 or 12; Zoology 32, Chemistry or Zoology 42b; three hours throughout senior year on a problem, paper, reading, and review.

Optional Courses: courses in chemistry, physics, bacteriology, zoology, mathematics, or other related fields by permission of the director.

Examinations: one in chemistry, one in physiology, one selected according to the student's program.

INTERDEPARTMENTAL MAJORS

PREMEDICAL SCIENCE

Adviser to the major: Mrs Hobbs.

The courses listed represent the minimum requirement for entrance to most medical schools, but as these differ from one another it is advisable for students to decide in the spring of freshman year which school they plan to enter and include any additional courses necessary. Thirty hours in the major are required in the three upper years of which twenty-one must be above Grade II.

40b Directed reading in the history of medicine from the standpoint of concurrent developments in chemistry, physics, and zoology.

Essential Courses: Chemistry 11, 21, 31; Physics 11 or 12; Zoology 11 or Biological Science 195, Zoology 22; Premedical Science 40b; a college course or its equivalent in German, French, or Spanish.

Optional Courses: other courses in chemistry, physics, mathematics, or zoology. Sociology 32a, 32b, or Psychology 36a and b may be substituted with the permission of the adviser.

Students may also prepare for medical schools by majoring in any department, if they include in their schedules the courses suggested above as the minimum requirement. They may consult the adviser of this major about their choice of courses.

HONORS

Director: Mrs Hobbs.

Prerequisites, normally taken before junior year: Chemistry 21; Physics 11 or 12; Zoology 11 or Biological Science 195; a college course or its equivalent in German, French, or Spanish.

Program:

Requirements: Chemistry 31; Mathematics 12 or 13; Zoology 22; three hours throughout senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, physics, zoology, mathematics, or bacteriology. Sociology 32a, 32b, or Psychology 36a and b may be substituted with the permission of the director.

Examinations: one in chemistry, one in zoology, one selected according to the student's program.

Graduate Study

Smith College offers to graduate women programs leading to the degrees of Master of Arts, Master of Education, Master of Science in Physical Education, and Doctor of Philosophy. For foreign students, programs for a Certificate of Graduate Studies are available. Ordinarily about one hundred women students are registered for advanced instruction, which is available in practically all departments of the College and in various interdepartmental fields.

To be admitted as a candidate for a degree, an applicant must have received her baccalaureate degree from a college or university of recognized standing, have fulfilled the prerequisite requirements for the field in which the degree is to be received, and show promise of ability satisfactorily to pursue advanced study and research. If the general and major requirements for the Bachelor's degree at the undergraduate institution are considered by the Committee on Graduate Study to be less than those required at Smith College, the student must make up the deficiencies in her undergraduate training before she is accepted as a candidate for an advanced degree.

Graduate courses are open to men as well as to women students. Graduates of any college of approved standing may receive instruction without reference to the attainment of an advanced degree.

The requirements for the degrees of Master of Arts and Master of Education may be fulfilled in one year by well-prepared full-time students; for the Master of Science in Physical Education, in two years (in one year by specially qualified students). The degree of Doctor of Philosophy is offered in a limited number of departments and requires at least three years of advanced studies including one year at another institution.

FELLOWSHIPS AND SCHOLARSHIPS

The College offers several fellowships and scholarships which are open to graduates of Smith College and to women graduates of other colleges of good standing. Special scholarships are available for study in education and in physical education. Other fellowships are offered to students from foreign countries.

The science departments and the departments of music, theatre, and history offer teaching fellowships and graduate assistantships for part-time graduate study combined with departmental assistance.

INFORMATION

Full information concerning the requirements for the various advanced degrees, admission, residence fees, and fellowships is given in the *Bulletin of Graduate Studies*. This bulletin, an application blank for admission, and other information may be obtained from the Secretary to the Committee on Graduate Study.

General Information

THE COLLEGE COMMUNITY

RESIDENCE

Community life and interests are an integral part of the education offered by Smith College. A large number of student organizations—of a civic, cultural, athletic, religious, political, social, pre-professional, or service nature—have the lively support of interested members of the student body to whom they give valuable experience. For some of these activities, such as the largely autonomous student government, various campus publications, and the college radio station, the students themselves are almost wholly responsible; for others, such as the formal musical activities, faculty direction is provided.

Life on the campus is also enriched by an extensive program of lectures and concerts which bring to the College distinguished speakers and musicians from this country and abroad. Additional lectures, concerts, recitals, plays, and debates by both the faculty and the students make for a full and varied calendar.

In support of these and other aspects of community life, the College emphasizes the importance of residence. Freshmen, sophomores, and juniors (in their first semester) are allowed only a limited number of nights away from the campus in each semester. After the middle of the junior year, the student herself assumes the responsibility for upholding the principle of residence. Within this framework, it has been possible for the faculty to grant to all students except freshmen and those whose standing is below diploma grade the responsibility for their own class attendance on all except the opening and closing days of a session. To those students whose homes cannot be reached with thirty-six hours of travel time from Northampton, special permissions may be given to extend the winter or spring recess.

Further details concerning the college community are given in *Smith College: a Handbook of Information*. Faculty and student legislation relating to residence and attendance is printed in full in *The College Handbook*.

THE HOUSES

The basic unit of the campus community is the college house which normally accommodates fifty to seventy students representing all four classes. Assignments to houses are made in the order of dates of application for admission to college, except when students are admitted from a waiting list. A student may move from one house to another once during her college course, the order of assignment after the freshman year being determined by lot.

Except for a few smaller houses which are grouped together to make a single

GENERAL INFORMATION

unit, each college house has its own living rooms, dining room, and kitchen, and is in the charge of a Head of House who devotes full time to the administration of the house and the welfare of its members. In most of the houses there is also a resident member of the faculty. Social regulations governing life in the houses are administered by the Student Government Association. Because of high operating costs, every student is asked to contribute up to four hours a week of light service to the house in addition to taking care of her own room.

RELIGIOUS LIFE

The College provides opportunity for the development and expression of religious faith of all creeds. Daily services are held weekday mornings, except Wednesday and Saturday, in the Hills Chapel, and Sunday chapel services bring outstanding clergymen to the campus. Three voluntary religious organizations, the Christian Association (Protestant), Hillel Foundation (Jewish), and the Newman Club (Roman Catholic), offer programs of worship, study, and service, while cooperative educational and community service projects are undertaken by the Interfaith Association, of which every student is a member. Hills Chapel houses a Religious Center, with meeting rooms for these groups, and offices for the chaplain and his assistant. Northampton churches welcome students at their services and activities. Thus the opportunity is provided for students of each faith to strengthen their own convictions and to gain an understanding and appreciation of other traditions.

HEALTH

The Health Service is directed by the College Physician assisted by a medical staff of five resident physicians. The Doctors' Office and the Elizabeth Mason Infirmary provide medical care and facilities for treating normal illness. For unusual or serious illness, the services of specialists in Northampton and Springfield are available. The Health Service also emphasizes preventive medicine by exercising supervision over the health of the dormitory staffs and working closely with the College Dietitian.

The College has arranged to cooperate with a reputable insurance company in offering a voluntary insurance plan which protects the student over a twelve-month period, whether in residence at college or not. Students are strongly urged to take out this insurance, which gives unusual protection, in addition to that which the College offers without charge.

In the interests of individual and community health, every student is expected to comply with the health regulations which are printed in *The College Handbook*.

VOCATIONAL COUNSELING AND PLACEMENT

The Vocational Office serves as a placement bureau for both alumnae and seniors who are seeking permanent positions, and for underclassmen who wish placements for the summer.

GENERAL INFORMATION

The staff assists students of all four classes in selecting their future occupations and in relating their courses to these occupations. The office provides information concerning specialized and professional training, arranges lectures and discussions on various vocations, and schedules interviews with employers who visit the campus.

Letters of recommendation for seniors and alumnae are filed with the Vocational Office and will be sent upon request to prospective employers and scholarship committees.

BUILDINGS AND GROUNDS

COLLEGE HALL, dedicated in 1875 at President Seelye's inauguration, is the main administrative building of the College.

JOHN M. GREENE HALL, given by John D. Rockefeller and other donors, is a large auditorium seating 2066 with additional seating space on the stage. Besides a fine four-manual organ which was presented by the Class of 1900 as a memorial to Cornelia Gould Murphy, there are two accessory two-manual organs.

SEELYE HALL, given by friends of President Seelye, contains classrooms for over fifteen hundred students, the laboratories of the Department of Geology and Geography, and department offices.

HATFIELD HALL, formerly Hatfield House, became an academic building in 1926, providing needed seminars and classrooms.

THE WILLIAM ALLAN NEILSON LIBRARY, the gift of Andrew Carnegie, alumnae, and students, contains a large reference room, general reading and study rooms, department seminar rooms, a Rare Book Room, and a room for the college archives. The Browsing Room, furnished as a private library, offers opportunity for leisure-hour reading. A wing was built in 1937 to provide more stacks, and to make possible additional seminar rooms, carrels for students, and offices for staff and faculty.

The Smith College Library contains 400,933 volumes, this number including those books and pamphlets housed for greater convenience in the libraries of the art, music, and science buildings. The open-shelf system permits free access to all books.

THE HILLYER GALLERY, named for Winthrop Hillyer whose gift and bequest made this first art gallery possible, is equipped with studios and exhibition rooms, a library of art in memory of Drayton Hillyer, and a collection of approximately thirty-three thousand photographs, and fifty thousand slides. Graham Hall, a lecture hall seating 265, was added through the generosity of Christine Graham Long of the Class of 1910.

When the TRYON GALLERY was presented to the College by Mr and Mrs Dwight W. Tryon to house the Smith College Museum of Art, most of the paintings, prints, and other works of art were transferred to it from the Hillyer Gallery. The museum also contains galleries for loan exhibitions, which are arranged under the auspices of the Museum to supplement the permanent collections.

Named in honor of Mrs Russell Sage, SAGE HALL is the music building, con-

GENERAL INFORMATION

taining classrooms, offices, practice rooms, a library, and a collection of about fifteen thousand records. It also has an auditorium seating 743 and equipped with a Hammond organ and apparatus for motion pictures.

THE STUDENTS' BUILDING, designed in 1903 to be the center of the social life of the students, is now the home of the Smith College Theatre. Classrooms and offices of the Departments of Speech and of Theatre, and the headquarters of a few student organizations are also located in this building.

PIERCE HALL, until 1924 the music building, was then named in honor of Professor Arthur Henry Pierce and is devoted mainly to the Department of Psychology.

LILLY HALL OF SCIENCE contains the lecture rooms, laboratories, and library of the Department of Physics. It was the gift of Alfred Theodore Lilly.

THE OBSERVATORY was given by President Seelye and Mr A. Lyman Williston in honor of Henrietta Chapin Seelye and Sarah Tappan Williston. The instruments include equatorial telescopes, a Ross camera, and other apparatus for teaching purposes.

STODDARD HALL, the chemistry building, named in honor of Professor John Tappan Stoddard, was built in 1898 and enlarged by an addition in 1918. It contains a lecture room, library, laboratories, classrooms, offices, and modern research equipment.

BURTON HALL, a building of modern construction provided with the best equipment for the study of the biological sciences, was named for President Burton and was opened for use in September, 1914.

THE LYMAN PLANT HOUSE, the gift of Edward Hutchinson Robbins Lyman in memory of his mother, Anne Jean Lyman, includes greenhouses illustrating the vegetation of different climates, together with physiological and horticultural laboratories. Adjoining is the BOTANIC GARDEN designed for horticultural study, with sections to illustrate plant classification and habits. Arranged about the college grounds are smaller gardens and numerous varieties of native and imported trees and shrubs.

THE ALUMNAE GYMNASIUM, given by the alumnae and their friends in 1891, contains a large floor for basketball, badminton, and tennis backboard, as well as two bowling alleys and four squash courts.

THE SCOTT GYMNASIUM was named in honor of Col. Walter Scott. It contains a large floor used for volleyball, basketball, and fencing, a room for dance, two smaller gymnasiums for group gymnastics, a graduate student classroom and library, a swimming pool 75 feet by 23 feet, an undergraduate lounge, and department offices.

GILL HALL is used by the Department of Education and Child Study for the Smith College Day School. In addition to the classrooms there is an assembly hall seating 170. Adjoining is a large playground.

THE ELISABETH MORROW MORGAN NURSERY SCHOOL, acquired through the bequest of Mrs Morgan of the Class of 1925, occupies a site adjoining the Smith College Day School.

GENERAL INFORMATION

The clinical offices of the Health Service are located in GATEWAY HOUSE.

THE ELIZABETH MASON INFIRMARY was opened in 1919. Its name commemorates Elizabeth Mason Howland, a graduate of the Class of 1904 and a daughter of Frank H. Mason whose gift completed the fund raised by the Alumnae Association. The Florence Gilman Pavilion, added while Smith was host to the Naval Officers' Training School, was enlarged and completed in 1950-51. The result is an attractive, well-equipped, fireproof Infirmary with a normal capacity of sixty patients which could be increased in emergencies to nearly twice that number.

THE ALUMNAE HOUSE, presented to the College by the Alumnae Association in 1938, contains offices for the Association staff, rooms for the use of the alumnae and the college, including a conference room seating 300.

DAVIS STUDENT CENTER, a newly converted recreation building for student use, contains a food shop, lounge, ballroom, and committee rooms for student organizations. It was named by the students in honor of President Davis.

THE HELEN HILLS HILLS CHAPEL, completed in 1955, provides a place for public worship and private meditation. The Religious Center, located in the Chapel, contains a lounge and library, a choir room, and offices for the Chaplain and the campus religious organizations.

THE RECREATION FIELDS, over thirty acres in extent, including the Allen Field, the gift of Frank Gates Allen, and the new Athletic Field, afford opportunities for such sports as hockey, soccer, baseball, lacrosse, tennis, archery, volleyball, practice golf. A short distance away are the Riding Stables. The Field House was built on the new Athletic Field in the summer of 1939 with funds given by the classes of 1938 and 1939, the undergraduates, the Athletic Association, and the Trustees. Besides storage space for athletic equipment and skates and skis, it contains a lounge, a kitchenette, a small meeting room, and dressing rooms. The Boathouse on Paradise Pond has accommodations for canoes, rowboats, and rowing machines. In the Crew House are eight rowing shells and a large recreation room.

THE COLLEGE HOUSES

The thirty-five dormitory units provide living accommodations for approximately twenty-one hundred students.

The Old Campus: Chapin, Dewey (together with Clark, a small house adjacent to it), Haven (together with Wesley), the Hopkins group (three contingent houses), Hubbard, Lawrence (cooperative), Morris, Park and Park Annex, Tenney (cooperative, for upperclassmen), Tyler, Wallace, Washburn.

The Campus Northeast of Elm Street: Albright (cooperative), Baldwin, Capen and Capen Annex, Dawes (the French House, for upperclassmen), German (primarily for upperclassmen), Gillett, Lamont, Northrop, Parsons and Parsons Annex, Sessions, Talbot.

The Quadrangle Houses: Comstock, Cushing, Ellen Emerson, Franklin King, Gardiner, Jordan, Laura Scales, Martha Wilson, Morrow, Wilder.

The Graduate Houses: Fort Hill, Graduate (30 Belmont).

EXPENSES

TUITION AND RESIDENCE FEE \$ 1,800.00
 One half payable in advance of the beginning of each semester.

PRELIMINARY PAYMENTS

Registration for application for admission \$ 15.00
 Not refunded or credited.

Deposit payable on or before June 5 preceding entrance . . . \$ 50.00
 Not refunded in case of withdrawal before entrance. Refunded after graduation. Also refunded to members of the three upper classes in case of withdrawal if notice in writing is filed with the Registrar prior to July 1 for the first semester, or prior to December 1 for the second semester.

OTHER FEES AND CHARGES

Infirmary charge per day \$ 8.00
 Each student may have Infirmary care for six days each year without charge, but no more than two free days may be used for any one illness. The usual charges will be made for special nursing care and for services of physicians or specialists from outside the College.

Fees for courses in practical music

Vocal or instrumental, for the college year:

One hour lesson a week	\$ 150.00
One half-hour lesson and two class hours	100.00
One additional half-hour lesson taken for extra credit	75.00
Courses in ensemble when given individually	50.00
Use of practice room and a college instrument	15.00
Use of practice room only, one hour daily	7.50
Use of practice organs in John M. Greene Hall, one hour daily	35.00

Fees for classes in riding

	<i>Freshmen</i>	<i>Sophomores</i>
Fall term	\$40.00	\$60.00
Winter term	60.00	60.00
Spring term	35.00	52.50

Materials for courses in technical art at cost

GRADUATION FEE \$15.00

ESTIMATED ADDITIONAL EXPENSES

Books each year, approximately	\$75.00
Subscriptions and dues, student activities	25.00
Gymnasium outfit for physical education	22.85
Recreation and incidentals	from \$100 to \$150

SCHOLARSHIPS & FINANCIAL AID

SCHOLARSHIPS

For students of marked ability who are unable to meet their full expenses, the College offers tuition scholarships ranging from \$200 to \$900, ten regional scholarships ranging from \$600 to \$1600, and a limited number of residence scholarships each year. These scholarships are made possible through endowed funds given to the College for scholarship purposes, by an annual appropriation from general income, and by annual scholarship gifts from alumnae clubs and from other organizations.

All scholarships are awarded on the basis of high academic standing, personal qualifications, and financial need. They are given for one year only but may be renewed. Applications from entering students should be sent to the Director of Scholarships and Student Aid by February 1 of the year of entrance.

Tuition scholarships are granted at the discretion of the Trustees to undergraduates who have been residents of Northampton or of Hatfield for five years before the date of their admission to college, provided they are able to satisfy the full requirements of admission; this grant is continued through their college course provided they maintain diploma grade, conform to the regulations of the College, and continue to be residents of Northampton or of Hatfield.

Smith College participates in the Seven College Conference Scholarship Program. A student living in Kansas, Missouri, Nebraska, Arizona, Louisiana, New Mexico, Oklahoma, Texas, California, Oregon or Washington may compete for one of these scholarships. For details about this program applicants should write to the Board of Admission before January 31 for the next academic year. The participating colleges in this are Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar, and Wellesley.

These same colleges, with many others, also participate in the College Scholarship Service of the College Entrance Examination Board which acts as a clearing house for scholarship applications, sending to the college concerned the financial information from the parents or guardians. The College itself, however, makes all final decisions on actual scholarship awards, which are announced in May.

The College awards fifteen scholarships in music each year.

Two tuition scholarships for use at seaside laboratories are granted by the College to students who show marked proficiency in the Departments of Zoology and Botany.

Endowment funds given to the College for scholarship aid are listed on pages 163-169.

FIRST GROUP SCHOLARSHIPS

The following scholarships are awarded to students of highest academic standing: *The Neilson Scholarships*. Not more than fifteen scholarships, created by the Board of Trustees in honor of President William Allan Neilson on the completion of fifteen

SCHOLARSHIPS

years of his administration, are awarded annually to students in the first group of scholars in the three upper classes.

The Dwight W. Morrow Scholarships. Ten scholarships are awarded annually to seniors in the first group of scholars.

The William A. Neilson Scholarship. This provides full tuition for a student in the first group.

The Sophia Smith Scholarships. These scholarships are awarded without stipend to members of the three upper classes whose standing entitles them to a place among the first group of scholars.

RESIDENCE SCHOLARSHIPS

Residence scholarships are awarded in three cooperative houses. Entering students desiring rooms in one of these houses should make special application to the Director of Scholarships and Student Aid not later than February 1 of the year when admission is desired. Upperclass students apply for rooms in person at a time specified in the *Bulletin*.

Lawrence House and Albright House offer opportunity to one hundred and twenty-five students to reduce their living expenses. Board and room may be had in these houses for \$650 for the college year. Each student is expected to give approximately an hour a day to the work of the house in addition to the care of her own room.

Tenney House, originally established as the gift of Mrs Mary A Tenney, is open to members of the three upper classes. In this house the students cooperate in the purchase of food and in the duties of housekeeping. The cost of a room in Tenney House is \$200 for the year; current prices determine the cost of board.

In memory of Mrs Tenney, ten scholarships have been established known as the Tenney Residence Scholarships. These consist of \$100 each to be applied toward residence in any college house. They are awarded to students of approved character and scholarship in the three upper classes upon the recommendation of a committee consisting of Miss Mensel and Miss Lincoln.

SELF-HELP

The College undertakes general supervision of the remunerative work done by undergraduates. Students wishing any kind of employment during the college year should register with the Director of Scholarships and Student Aid. Only a limited amount of work is available, most of which is given to students of the three upper classes.

LOANS

The Smith Students' Aid Society, Inc., organized in 1897, offers to the extent of its means loans of varying amounts to students of approved scholarship and

SCHOLARSHIPS

character from the three upper classes. Loans granted shall become due as follows: ten per cent on May 1 of the first year following that in which the borrower's class graduated from Smith College, and thirty per cent on May 1 of each of the next three years. Interest at six per cent shall begin to run after the said maturity dates. Applications for loans and contributions to the work of this Society may be sent to its treasurer, Miss Emma B. Proctor, College Hall, Northampton.

FELLOWSHIPS

The announcement of fellowships awarded for graduate work including those open to students from foreign countries is in the *Bulletin of Graduate Studies*.

ENDOWED SCHOLARSHIPS, FELLOWSHIPS & PRIZES

SCHOLARSHIP FUNDS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Charles Clinton Abbey	\$ 55,540.74
Herbert Vaughan Abbott	5000.00
J. J. Albright	6,700.00
Susan Fuller Albright (Buffalo Smith Club)	10,000.00
Louise Partridge Andrews	2,267.00
Anonymous Scholarship No. 1	22,500.00
Anonymous Scholarship No. 2	10,380.00
Anonymous Scholarship No. 3	5,000.00
Elizabeth Arden	10,000.00
Elizabeth Harper Arnold	10,000.00
Alma Hoegh Ayers (Indianapolis Smith Club)	14,302.50
Franklin Baldwin	1,200.00
Bartol	72,713.80
Birney Clark Batcheller	500.00
Suzan Rose Benedict	10,020.47
Mary Nichols Billings	5,000.00
Mildred Louer Bird	16,000.00
Morris A. Black	2,000.00
Carolyn Peck Boardman Memorial	5,165.00
Clara P. Bodman	3,800.00
Wilmo Owens Bowman	3,625.00
Annie Kimball Brown Memorial	5,000.00
The President Burton Memorial	33,512.03
Jessica White Cabot	15,390.60
Jean Cahoon Memorial	10,000.00
Gibson Lamb Caldwell Memorial	9,400.00
John A. Callahan	7,440.81
James R. Campbell	1,009.97
Canadian	19,880.02
Bessie T. Capen	5,531.25
Helen Clarissa Gross Chandler	10,000.00
Elizabeth Marguerite Dixon Clark Memorial	17,000.00
Lavinia R. Clark	20,000.00
Class of 1883—in honor of Elizabeth Lawrence Clarke	14,816.00
Class of 1887	10,000.00
Class of 1897	32,978.82
Class of 1898	6,122.50

SCHOLARSHIP FUNDS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Class of 1901	\$ 4,691.50
Class of 1904	25,000.00
Class of 1905	30,680.58
Class of 1919	9,271.41
Class of 1926	650.77
Class of 1930	23,782.25
Class of 1949	10,266.94
Class of 1950	10,112.78
Class of 1951	8,010.27
Class of 1952	7,903.04
Class of 1953	8,170.45
Class of 1954	4,697.10
Class of 1955	8,822.28
Sara Hunt Clough Memorial	1,000.00
Mildred E. Ford Cobb Memorial	23,350.00
Katharine Baylis Cochran	8,000.00
Margaret Elmer Coe	20,000.00
Colorado	5,038.90
E. C. Converse	50,000.00
Alison Loomis Cook.	10,069.47
Mary M. Cook	5,000.00
Augusta E. Corbin	9,500.00
Helen Hodgman Craig Memorial	20,000.00
Katharine Sands Crispell Memorial	5,343.75
Charlotte Graves Cross	5,390.00
Lt. Robert Lamont Darrah Memorial	1,075.00
Virginia Winslow Davis	10,000.00
Paul Dudley Dean Memorial	4,080.00
Vivian Bubb Decker	1,000.00
Mary D. Dey	5,000.00
Anna N. Dice and John William Dice Memorial	2,000.00
Elizabeth Lind Dice	1,000.00
Elizabeth Lind Dice and John Dice Memorial	3,000.00
Eleanor Duckett and Mary Ellen Chase	10,000.00
Mary Carter Duncan	10,000.00
Elizabeth Edwards Memorial	5,000.00
Constance Elaine Memorial	5,000.00
Matilda Allen Farley	2,000.00
Elizabeth S. Fisk Memorial	2,000.00
Ida E. Fisk Memorial	2,000.00
Marietta Miles Fisk Memorial	2,000.00

SCHOLARSHIP FUNDS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Florida	\$ 1,930.00
Elizabeth Fobes	1,000.00
Clara and Joseph F. Ford	5,500.00
Edith Forrest Memorial	28,623.54
Mary P. Fowler	15,000.00
Ruth Hawthorne French	12,000.00
Emily Frink	2,000.00
Fannie Furman Memorial	10,000.00
Eleanor N. Gaffield	10,000.00
Gamble	2,000.00
Gannett Memorial	2,000.00
Carrie L. W. and Marion Gary	12,437.23
Anne D. Geller	100,542.59
Gertrude Gladwin Memorial	10,476.00
Howard Rogers Clapp and Howard Rogers Gleason Memorial	25,165.00
Jessie S. R. Goldthwait	10,000.00
Elizabeth Firestone Graham	21,231.25
Mary Louise Brown Graham	10,000.00
Elizabeth Bancker Gribbel Memorial	12,000.00
Ellen Clarissa Gross	10,000.00
Charlotte C. Gulliver Memorial	10,040.00
Julia H. and Mary Gulliver	9,528.48
Philip Hale	10,000.00
Elizabeth Deering Hanscom	16,153.69
Mary S. Harkness	10,000.00
Marion and S. Ralph Harlow	10,151.17
Helen H. Hills	21,250.00
Anna Laura Holbrook	14,508.56
Esther R. Holmes	6,000.00
Ellen Holt	10,005.00
Charlotte Manning Hoover	5,050.42
Lucia Maria Hought	2,500.00
Lillia Babbitt Hyde Foundation	30,000.00
William Bertram Imlach	8,650.82
Florence Jackson Memorial	5,082.50
Ruth Eckhart Jarvis	10,500.00
Emily Harris Jones	10,000.00
Werner Josten	25,000.00
Florence Hopwood Judd	6,267.50
Caroline E. Kilbon	200.00
Ruth de Young Kohler	25,010.00

SCHOLARSHIP FUNDS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Jessie Stevenson Kovalenko	\$ 5,000.00
Kresge Foundation	40,000.00
Mary Allison Lang Memorial	656.54
Mary Lanning Memorial	5,000.00
Lathrop Memorial	1,350.00
Latin American—Class of 1890	7,500.00
Caroline Saunders Lindeke.	7,000.00
Agnes Linton	1,000.00
Alice and Florence Lord	5,023.64
Esther Lowenthal	9,760.00
Lyon Foundation	25,000.00
Jeannette Laws McCabe	28,656.25
Helen Roberts McCormick.	10,800.00
Ethelyn McKinney	26,500.00
Barbara McRoy	88,300.79
Carolyn Weston McWilliams	1,000.00
Beatrice Austin Manning and John Henderson Manning	15,000.00
Maplewood Institute Memorial	5,000.00
Helen Ayer Marden	1,000.00
Dorothy R. Mendenhall	1,000.00
Margaret Mitchell	14,650.22
Jean Morron	25,000.00
Dwight W. Morrow	100,000.00
Nellie Eddy Mudge	2,000.00
Miriam Myers Memorial	5,000.00
Ida A. Nathanson	1,500.00
Ruth Perry Neff (Wisconsin Smith College Club)	5,242.10
William A. Neilson	15,000.00
Alice Edgerton Parsons	5,000.00
Katharine Parsons	2,000.00
Barbara Whitney Peck	10,000.00
Harriet and Gurdon Pellett Memorial	44,628.81
Elizabeth Bartlett Phillips	5,000.00
Isabel Pickering	37,810.11
Ellen Plimpton	7,002.50
Jessie Wells Post	50,000.00
Olive Higgins Prouty	40,066.25
Edith Nichols Putney Memorial	1,771.49
Orlana Ranney	11,933.88
Louise Cornell Rausch	10,293.80
Anne E. Rice	5,000.00

SCHOLARSHIP FUNDS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Dagmar M. Ross Memorial	\$ 20,000.00
Christine Rounds Memorial	6,000.00
Samuel Runner	5,000.00
Lucy J. Russell	1,000.00
Margaret Roberts Sanborn.	5,310.00
SCADS	20,000.00
Benjamin and David Scharps	2,500.00
Alice Goodwin Schirmer	5,000.00
Laura Shedd Schweppe Memorial	20,000.00
Edith Scott	8,000.00
Sadie D. Scott	8,000.00
Emma E. Scranton	1,000.00
Seaver	21,500.00
St. Agatha—Emma Sebring	12,500.00
Edith Dudley Sheldon	1,500.00
Hortense Oliver Shepard	3,000.00
Elsie Damon Simonds	67,575.00
Andrew C. Slater	4,000.00
Anna Margaret Sloan and Mary Sloan	16,807.78
Frances Grace Smith Scholarship	63,449.29
Louise Smith.	51,585.51
Smith College Club of Akron	4,725.00
Smith College Club of Chicago No. 1.	22,500.00
Smith College Club of Chicago No. 2.	4,207.75
Smith College Club of Cincinnati	20,284.62
Smith College Club of Cleveland	16,882.70
Smith College Club of Detroit	14,067.07
Smith College Club of Fitchburg	5,000.00
Smith College Club of Milwaukee.	6,827.94
Smith College Club of New Haven	12,843.24
Smith College Club of New York	15,000.00
Smith College Club of the Oranges	14,738.58
Smith College Club of Oregon.	2,809.76
Smith College Club of Philadelphia	12,000.00
Smith College Club of Pittsburgh	3,750.00
Smith College Club of Rhode Island	12,000.00
Smith College Club of Rochester	5,500.00
Smith College Club of Seattle	7,611.28
Smith College Club of Washington	767.69
Smith College Club of Winchester	400.00
Caroline Lounsbury Steele Memorial	2,913.00

SCHOLARSHIP FUNDS

<i>Amount of Fund</i>	<i>Amount of Principal</i>
Strack	\$ 10,000.00
Anne Straw, Class of 1948	20,000.00
Otto Sussman	174,920.89
Emily Hitchcock Terry Memorial	3,000.00
Charles M. Thayer Memorial	3,000.00
Helen Rand Thayer	10,000.00
Julia Ball Thayer	6,000.00
Eva I. Titman	5,000.00
Roslyn Titman	5,000.00
Helen Ramsey Turtle Memorial	1,165.00
Sarah Sanderson Vanderbilt Memorial	50,000.00
Lulu Morris Wadley Memorial	5,000.00
Rodney Wallace	10,000.00
Sophia Billings Wallace	5,000.00
Sophia Ingalls Wallace	5,000.00
Jane O'Neil Wallis Memorial	10,655.00
Mary Rankin Wardner Memorial	4,120.00
Mary Bird Wells Memorial	11,233.75
Westmoreland County (Pa.)	9,689.00
Julia Carolyn Weston	10,000.00
Margaret White Memorial	5,000.00
White Lodge	2,622.00
Catharine Lasell Whitin	10,100.00
Hiram Whittington	10,000.00
Clara R. Williamson Memorial	20,000.00
Harriet Jane Willard Memorial Scholarship	5,000.00
Mary E. Wilson (Berkeley and San Francisco Smith College Clubs)	7,443.00
Wood	10,000.00
Ella Eames Wood	7,478.01
Robert M. Woods Memorial	5,000.00
Josephine Clews Wrightson Memorial	21,500.00
Miscellaneous	14,163.60

FELLOWSHIP FUNDS

Alumnae Association	25,525.00
Harriet Boyd Hawes	12,000.00
Agnes Hunt Memorial	1,000.00
Frances Grace Smith	20,000.00
Jean Fine Spahr	32,373.71
Sarah Watkins Wilder and Sarah Wheaton Whipple	10,841.24
Fanny Bullock Workman	30,000.00

TOTAL.	\$3,238,339.54
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PRIZE FUNDS

PRIZE FUNDS

The *Alpha Awards* are made annually by a committee of the faculty for excellence in the fields of creative writing, dance, drama, technical art, practical music or composition.

The *Academy of American Poets Poetry Prize* of \$100, to be awarded annually from 1955 through 1959 by the Academy of American Poets through the prize committee of the English Department for the best poem or group of poems submitted by an undergraduate.

The *Elizabeth Babcock Poetry Prize* fund of \$2500, established by Miss Edith L. Jarvis 1909 in memory of Elizabeth Babcock ex-1911. The income is to be awarded annually for the poem adjudged best by a committee appointed by the Department of English. The competition is open to all undergraduates except those who have already won the prize; the poem submitted may not have been printed previously.

The *Harriet Dey Barnum Memorial Prize* fund of \$300, founded by the Class of 1916, the income to be used for outstanding work in music.

The *Suzan Rose Benedict Prize* fund of \$1085.47, the income to be awarded at the discretion of the Department of Mathematics to a freshman or sophomore who has done outstanding work in differential and integral calculus, the decision being made by the Department.

The *Samuel Bowles Prize* fund of \$2002.69, the income to be awarded to a senior for the best thesis on a sociological or economic subject.

The *John Everett Brady Prize* fund of \$2000, the income of which is awarded for excellence in Latin, to be tested by an examination upon an assigned portion of Latin literature: in 1956, Vergil, *Georgics* Book I; in 1957, Petronias, *Cena Trimalchonis*.

The *Margaret Wemple Brigham Prize* fund of \$850, established in her memory by friends and associates of the Division of Laboratories and Research of the New York State Department of Health, the income to be awarded to a senior for excellence in bacteriology.

The *Amey Randall Brown Prize* fund of \$2000, given by Miss Mabel Brown 1887 in memory of her mother. The income is to be used as a prize for the best essay on a botanical subject.

The *Vera Lee Brown Prize* fund of \$1000. On recommendation of the Department of History the income is awarded for excellence in that subject to a senior majoring in history in the regular course.

The *Yvonne Sarah Bernhardt Buerger Prize* fund of \$5000, the income to be awarded to the undergraduate who has contributed most vitally to the dramatic activities of the College.

The *James Gardner Buttrick* fund of \$1000, given by Mrs Buttrick in fulfillment of her husband's wish, the income to be used for a prize for the best essay on a subject in the field of religion and Biblical literature suggested by a course in that Department and approved by the instructor.

PRIZE FUNDS

The *Julia Harwood Caverno Prize* fund of \$2000, the income of which is given to a member of the junior or the senior class for excellence in Greek language and literature.

The *Sidney S. Cohen Prize* fund of \$2500, the income to be awarded at the discretion of the Department of Economics.

The *Ethel Olin Corbin Prize* fund of \$1000, the income to be awarded to the undergraduate for the best original poem—preferably blank verse, sonnet, or ballad—or informal essay in English.

The *Dawes Prize* fund of \$1898.57, the income to be awarded for the best undergraduate work in political science.

The *Alice Hubbard Derby Prize* fund of \$2555.34, the bequest of Mr Henry R. Lang in memory of his wife, a member of the Class of 1885. The income is to be used for prizes awarded by the Classics Department to students of the junior and senior classes who have shown special proficiency in the study of Greek literature in the original in the year in which the awards are made. The award will be based on an examination on an assigned portion of Greek literature: in 1955-56, *Iliad*, Books 18 and 19; in 1956-57, *Plato Phaedrus*.

The *Hazel L. Edgerly Prize* fund of \$500, founded in memory of Hazel Louise Edgerly 1917, the income to be awarded on the recommendation of the Department to a senior in honors in history for distinguished work in that subject.

The *Settie Lehman Fatman Prize* fund of \$5000, the income to be awarded for the best musical composition preferably in sonata form by a member of the Senior Class or a graduate student who is taking Music 42 or Special Studies in Composition.

The *Harriet R. Foote Prize* fund of \$500, the income of which is to be awarded to the outstanding student in botany, based on an examination record.

The *Henry Lewis Foote Memorial Prize* fund of \$500, given by his wife, Harriett Risley Foote 1886, the income to be awarded for excellence in classwork in Biblical courses.

The *Clara French Prize* fund of \$5000, founded by Mrs Mary E. W. French, the income to be given to that senior who has advanced farthest in the study of English language and literature.

The *Helen Kate Furness Prize* fund of \$1000, founded by Horace Howard Furness, the income of which is given for the best essay on a Shakespearean theme. There is no restriction on the length of the essays, but in general they are not to be shorter than 4000 nor longer than 10,000 words. The competition is open to all undergraduates. The subject for 1955-56 is: "Shakespearean Variations on the Theme of Banishment"; for 1956-57, "Aspects of Shakespeare's Dramatic use of English History."

The *Sarah H. Hamilton Memorial Prize* fund of \$1250, given by her sister Mrs Julia H. Gleason, the income to be awarded for an essay on music.

The *Arthur Ellis Hamm Scholarship Prize* fund of \$5000, founded by Elizabeth Creevey Hamm 1905 in memory of her husband, Captain Arthur Ellis Hamm, the income to be awarded to a freshman on the basis of the year's record.

PRIZE FUNDS

The *Frances A. Hause Memorial Prize* fund of \$1000, founded in memory of Frances A. Hause 1922, the income to be awarded to the senior who has majored in chemistry and has made the best record in that subject.

The *Mary Augusta Jordan Prize*, consisting of a replica in bronze of the medal given to Miss Jordan in 1921 by the alumnae, is awarded by them through the prize committee of the English Department to a senior for the most original and unusual piece of literary work in prose or verse composed by her at any period of her undergraduate course in Smith College. No restriction is made as to subject, style, or length; and the composition may have formed part of the requirements of college study or have been already printed.

The *Florence Corliss Lamont Prize*, a medal to be awarded for work in philosophy.

The *Emogene Mahony Memorial Prize* fund of \$500, founded by Miss Ethel Haskell Bradley 1901, the income to be given for proficiency in organ.

The *Samuel Michelman Memorial Prize* fund of \$500, given in his memory by his wife, the income to be awarded to a senior from Northampton or Hatfield who has maintained a distinguished academic record and contributed to the life of the College.

The *Mrs Montagu Prize* fund of \$400, founded by Mrs Abba Louisa Goold Woolson in honor of Mrs Elizabeth Montagu, the income to be awarded for the best essay on the women of Dr Johnson's time.

The *Victoria Louise Schrager Prize* fund of \$2000, given in her memory by her family and Miss Marjorie Hope Nicolson, the income to be awarded annually to a senior who has maintained a distinguished academic record and has also taken an important part in student activities.

The *Andrew C. Slater Prize* fund of \$1000, the income of which is awarded to an undergraduate for excellence in debate.

The *Frank A. Waterman Prize* fund of \$335, the income to be awarded to a senior who has done excellent work in physics.

1955 Awards

PRIZES

- Alpha Awards:* art, Mary Milner Thom, 1955; creative writing, Sylvia Plath, 1955;
Music, Marian Bradley Holbrook, 1955; theatre, Julia Warren Tucker, 1955
- Academy of American Poets Poetry Award:* Sylvia Plath, 1955
- American Association of University Women Award:* Sallie Mae McFague, 1955
- Elizabeth Babcock Poetry Prize:* Anne Finch Marlow, 1956
- Suzan Rose Benedict Prize:* Sarah Jane Shipp, 1957; Judith Johnston Snow, 1957
- Samuel Bowles Prize:* Sylvia Finger, 1955; Nadine Olga Neuburg, 1955
- John Everett Brady Prize:* Gail Buckley Barnaby, 1955
- Margaret Wemple Brigham Prize:* Ursula Böck, 1955; Judith Anne Barkdull, 1955
- Vera Lee Brown Prize:* Mary Elizabeth Jones, 1955
- Yvonne Sarah Bernhardt Buerger Prize:* Julia Warren Tucker, 1955
- Julia Harwood Caverno Prize:* Barbara Wolfe, 1956; Leah Judith Zahler, 1957
- Sidney S. Cohen Prize:* Sylvia Finger, 1955; Linda Jane Ekstrom, 1955
- Ethel Olin Corbin Prize:* Sylvia Plath, 1955
- Dawes Prize:* Joan Dunbar Dutton, 1955
- Hazel L. Edgerly Prize:* Anne Lois Elmendorf, 1955; Nancy Jean Hunter, 1955
- Harriett R. Foote Prize:* Helen Standley Herron, 1958
- Henry Lewis Foote Memorial Prize:* Margaret Hammond Dornish, 1956
- Clara French Prize:* Sylvia Plath, 1955
- Arthur Ellis Hamm Scholarship Prize:* Dorothy Jane Rabin, 1958; Elizabeth Elliotte Rhea, 1958; Roberta Cram Russell, 1958
- Frances A. Hause Memorial Prize:* Anne Cary Williston, 1955
- Florence Corliss Lamont Prize:* Lois Jean Sachar, 1955
- Samuel Michelman Memorial Prize:* Joan Elizabeth Smith, 1955
- Guthrie McClintic-Katherine Cornell Prize:* Betsey Ann Sprei, 1955; Julia Warren Tucker, 1955
- Marjorie Hope Nicolson Prize:* Sylvia Plath, 1955; Mary Towne Lockwood, 1955
- Victoria Louise Schrager Prize:* Sallie Mae McFague, 1955
- Sigma Xi Plaque:* Lawrence House
- Andrew C. Slater Prize:* Ardis Dean Osborn, 1956

1955 AWARDS

FIRST GROUP SCHOLARS*

Class of 1956

Sarah Gerard Beeson
Elizabeth Forsyth Bowden
Elizabeth Bennett Brown
Sally Jean Brown
Nancy Lee Burton
Katharine Elizabeth Daniels
Margaret Hammond Dornish
Muriel Ruth DuBrow
Joyce Anne Esersky
Flora Feigenspan
Patricia Todd Goodwin

Margaret Ruth Hill
Helen Louise Hochgraf
Josephine Ann Hopkins
Carolyn Elizabeth Jacob
Betsy McKinley
Robin Kay Simon
Marilyn Esther Targansky
Susan Thiemann
Hannah Whiting Thomas
Donna Julia Woese
Janet Fitzhugh Wright

Class of 1957

Faith Ainsworth Baker
Drusilla André Chartrand
Harriette Dewey Coffin
Lora Suzanne Collins
Lynne Marie Fisher
Elizabeth Hope Franklin
Susan Catherine Hill
Lenore Ann Labaj

Patricia Gertrude Lauer
Gretchen Holbrook Meyer
Molly Rulon-Miller
Nancy Lee Schriver
Vida Marija Simenas
Helen Jane Sootin
Penelope Walcott
Ellen Sarah Wormser

Class of 1958

Ellen Nora Brown
Beatrice Ethelind Byrd
Helena Antoinette Chmura
Despine Louise Coulis
Joanna Braley Dewey
Renée Marie Hermos
Sharon Lee Kaufman
Sally Morrisa McQuade
Julie Montgomery
Egan Clement O'Connor
Eileen Marie Ouellette

Emily Pitcher
Dorothy Jane Rabin
Elizabeth Elliotte Rhea
Laura Ethel Rowe
Robertta Cram Russell
Lilol April Schueller
Cynthia Ellen Sears
Gail Ellen Solomon
Sarah Margaret Szold
Nancy Beach Veale

*These include the Dwight W. Morrow, the Neilson, the William Allan Neilson, and the Sophia Smith scholars.

DEGREES

A. B.

Marcia Sara Abelson
 Sarah Jane Ackerman
 Marie Louise Adams
 Sallie Lawther Adams
 Catherine Aileen Anderson
 Katherine Allen Anderson
 Nancy Lewis Anderson
 *Virginia Jane Anderson
 Ellen Faye Arenson
 Stephanie Ash
 Susan Mary Asher
 Ann Busch Atwood
 Adrian Austin
 Sarah Caroline Austin
 Susan Louise Bailey
 Evangeline Julia Baker
 Elinor Janet Batterson
 Barbara Ann Beals
 Katharine Pillsbury Becker
 Barbara Alice Benedict
 Lois Bennett
 Laurene Walker Berger
 Marilyn Marguerite Berger
 Jean Blumenthal Berkowitz
 Ruth Lewis Betts (Delaney)
 Nancy Brownell Biddle
 Nancy Deborah Bloom (Deutsch)
 †Ursula Böck
 Suzanne Silsbee Bond
 Amy Jane Bowles
 Barbara Mayolla Boyde
 Sydna Beverly Broner
 Carol Gertrude Brown
 Madeleine Anne Bryant
 Gail Ann Buckley (Barnaby)
 †Adele Marian Burack
 Mary Norris Burky

Davis Byrnes
 Ruth Elizabeth Byrnes
 Anne Cadman
 †Lee Heather Cairns
 Mary Rose Caldwell
 Cynthia Godwin Campbell
 Jane Canning
 Faith Constance Carey
 Joan Emily Carey
 Mary Ella Carpenter
 Carla Carroll
 Barbara Mary Cartwright
 Donna Mae Cerruti
 Christina Chute
 Patricia Anable Clarke
 Lida Lou Clayton
 Ann Katherine Clifford
 Cecily Drew Cochrane
 †Dorothy Merle Coffman
 Judith Evelyn Colburn
 Jane Collett
 Elizabeth Connor
 Vera Converse
 Katharine Pitcher Copeland
 *Wanda Corrado
 Margaret White Corry
 Katharine Cowen (Weldon)
 Susan Ware Cross
 Janet Grace Curry
 Mary Varian Cutler
 Marilyn Mattoon D'Agostin
 Vivian Shyrlee Dallard
 Julia Hall Dalton
 Camilla Ruth Davis
 Elizabeth Barbara Davis
 Audrey Derderian
 Elizabeth De Vane

*Elected to Phi Beta Kappa

†Elected to Sigma Xi

1955 AWARDS

Rose Joan Diston	Marie Clarke Gillette
Mary Clotilde Doughty (Hutchinson)	Eileen Gisser
Alice Fischer Duff	Sally Gooch
Cornelia Duffy	Sue Goodman
Nadia Dushkin	Paula Granger
Lois May Ehrenwerth	Laura Maverick Graves
Anne Eiseman	Sara Anne Greeley
Carol Eisenberg	Patricia Caroline Green
Caril Jane Eisenstein	Marlene Ruth Greene
Elizabeth Ann Emery	Eleanor Rae Greenwald
Barbara Engel	Adelaide Martin Gross
Cynthia Enos	Karen Noell Grounsell
Patricia Susan Epworth	Margie Carol Guggenheim
Nessa Natalie Ernstoff	Nancy Ann Gustafson
Anne Elizabeth Eshelman	Merna Louise Handleman
Judyth Katherine Evans	Carol Jane Harmon
Judith Ann Faulhaber	Cynthia Lee Harris
Shirley Ann Faulkner	Elizabeth Anne Harris
Mary Lee Fauver	Marian Frances Hazel
Ruth Esther Feingold	Joanne Williams Heekin
Judith Feld	Mary Hamilton Henry
Ruth Robinson Finch	Ann Louise Herold
Marcella Fisher	Alice Estelle Heyman (Glickman)
Mary Kathryn Flook	Alice Garrett Hoag
Bickley Streett Flower (Simpson)	Phyllis Courtney Hodill
Carol Lee Fordyce	Marian Bradley Holbrook
Beverley Audrey Forsander	Hilary Holcomb
Lola Gallup Fortmiller	Paula Pederson Holden
Janet Elizabeth Foster	Carol Ann Holmstrom
Mary Jane Fox	Joan Horowitz
Patricia Wolcott Foy	Ann Howard
Marian Willard Francis	Caroline Kimbrough Howe
*Linda Sue Frankel	Nancy Hull
Cynthia Phoebe Friedman	Ann Moore Hutchinson
Meredith Anne Washington Fuller	Mary Lorene Ingalls
Carol McCormick Furst	Margaret Jane Ingram
Janet Francis Gallaudet	Eloise Lowe Janney
Janet Elizabeth Gallo	Rachael Jenkins
Jean Bowtell Galloway	Enid Audrey Johns (Oresman)
Jane Gassaway	Jean Billingslea Johnson
Patricia Ann Geiger	Ann Bedford Jonas
Marjorie Flagge Gillespie	Elizabeth Bailey Jones

1955 AWARDS

Emily Hubbard Jones	Adrienne Claire McCafferty
Lois Patricia Jones	Ambia Harris MacDonald
*Mary Elizabeth Jones	Elizabeth Treon McGuire
Mary Allen Joss	Carol McKee
Judith Mac Kane	Mary McMurtrie
Martha Edna Kangisser	Mary Bell MacPhail
Lois Cynthia Kanter	Susan Peironnet McWhinney
Katherine Pauline Karnosh	Julie Carolyn Maehling
Elizabeth Jane Kennedy	Marcia Jo Manning
Judy-Mae Kesslinger	Bernice Marin
Grace Marilyn King	Anne Miriam Markowitz (Levenson)
Deborah VanDyck Kneeland	Esther Beth Marks
Carol Jean Koch (Kaufman)	Anne Varney Marshall
Deonne Wilson Koch	Dorothy Massie
Joanne Natalie Kramer	Margaret Ann Maye
Marjorie Irene Kramer	Madeleine Carter Mayher
Adrienne Kreyer (Smith)	†Doris Linda Metzner
Karol Labadorf	Joan Mickle
Elizabeth Devereux Labouisse	Laura Pleasants Miller
Florence Parmelee Lamont	Enid F. Minton
Joan Addleburg Lancaster	Sheila Montgomery
Margot Lanchner	Mariana Cecilia Moran
Elaine Jay Lazarus	Mary Cecile Mortimer
Barbara Learnard	Alix Barbara Moyer (Grunebaum)
Nellie Stewart Leber	Ann Pollock Murphy
Nancy Bette Lefkowitz	Brenda Jeffrey Mykrantz
Betty Ann Lehman	Diane Elizabeth Davies Neal
Brita Marie Lehmkuhl	Mary Ellen Nelson
Lois Ann Lehrman	Thalia Nicholas
†Martha Quiney Lerch	Ann Lee O'Connell
Ann Stockman Lerew	Johanna Alice O'Keefe
Roswitha Thekla Leuthold	Mary James Ormsby
Barbara Sue Levine (Gaberman)	Virginia Ann Owen
Sandra Claire Levine	Brooke vanDyke Page
Sue Yung Li	Cynthia Dryer Page
Dorrit Licht (Hildebrandt)	Patricia Silliman Palmer
Elizabeth Charlotte Liepmann	Helen Elisabeth Parker
Barbara Emily Lindberg	Anne Carter Peck
Sondra Anne Loeffler	*Judith Sue Perlberg
Joyce Minna Loewenthal	Virginia Douglas Perry
Ann Winslow Lothrop	Patricia Jane Peterson
Iris Cornelia Love	Patricia Lynn Peterson

1955 AWARDS

Alky Nicolas Petsiavas
 Peggy Ann Polikoff
 Constance Brill Pollack
 Sophie Seymour Porter
 Barbara Victoria Poudrier
 Carolyn Sumner Prentice
 Margaret Preston
 Marianna Thayer Priest
 Rosamond Randall Pugh
 Sue Rockwell Raubeson
 Patricia Anne Rediker
 Margaret Ann Reed
 Susan Fuller Reed
 Nancy Close Robb
 Diane Robinson
 Ellen Roob
 Joan Myrna Rosenberg
 Rhea Rosenblum
 Jacqueline Libby Rosenfeld
 Anne Louise Rosenthal
 Roxanna Ryman
 Janice Lynne Sangdahl
 Constance Margaret Schaenen
 Sondra Scheinblum
 Ellyn Carol Schiff
 Martha Manette Schubert
 Beverly Kay Schumann
 Harriet Gail Schwartz
 Eleanor Marwood Schwinn
 Sylvia Frances Scully
 Sarah Edwards Seelye
 Linda D'lugasch Seff
 Jane Frances Seiden
 Dorothy Jean Self
 Elizabeth Sessions
 Helen Laura Sharp
 Margaret Rae Sheinfeld
 Eve Sherrerd
 Helen Houghton Shortlidge
 Mary Evelyn Shoup
 Carol Lynn Silver
 Josefa Therese Simon

Lois Ann Simon
 Mary Kaspara Simonds
 Patricia Ann Slattery
 Judith Luden Slocum (O'Donnell)
 Ann Carter Smith
 Mary Lou Smith
 Susan Cummings Smith
 Katherine Maida Sortor
 Jane Heather Soutar
 Ellen Karen Sparry
 Sue Spaulding
 Betsey Ann Sprei
 Cynthia Chaplin Squire
 Judith Miller Seton Stanley
 Betty Starcher (Griffith)
 Judith Ann Stark
 Barbara Anne Stein
 Carole Arden Stein
 Elisabeth Manning Stevenson
 Margaret Jane Stewart
 Judith Helene Stone
 Margaret Storrs
 Priscilla Nan Strauss
 Sara Gale Stringer
 Barbara Ellen Sullivan
 Dorothy Kinney Sullivan
 Mary Ann Tarbell
 Suzanne Thomas
 Almeria Lykes Thompson
 Winona Ewing Thorp
 Marilyn Theodora Thunfors
 Joan Elizabeth Thurston
 Greata Dickey Titcomb
 Katherine Ann Tobin
 Louise Minor Toole
 Julia Warren Tucker
 Susan Tyler
 *Ruth Barbara Ullmann
 Rand Van Sant
 Madeleine Martha Caroline Véron
 Eva Dorothy Villani
 Mary Nicolai Vorobiov

1955 AWARDS

Anne Walker
 Elaine Wallbank
 Judith Canning Walsh
 Joan McMaster Ward
 Alice Provoost Wayland (Cruikshank)
 Adeline Sandylee Weille
 Marlene Iris Weinstein
 Marcia Weintraub
 Diana Wendt
 Ann-Elisa Wetherald (Black)
 †Elaine Goodale Whitbeck
 Anne Blackmon Whitfield
 Ann Joyes Wigglesworth
 Sally Williamson Wilcox
 Ruby Ethel Wilk

Katherine Lee Willis
 Rebecca Ann Wilmington
 Margaret Breckinridge Wilson
 Martha Ann Wilson
 Barbara Fraida Winer
 *Harriet Wise
 Jeremy Wiss (Smith)
 Mary Kate Worcester
 Mary Jane Workman
 Diane Wright
 Nancy Elgin Wyatt
 Lois Marie YaDeau
 Elisabeth Ferriday Young
 Mary Zisette
 Frances Charlotte Zuromskis

A. B. AS OF THE CLASS OF 1953

†* Parvin Saidi

HONORS

Cum laude

Vale Asche (Spanish)
 †Judith Anne Barkdull (Bacteriology)
 *Adela Sloane Bartholomew (Italian)
 Emily Platt Benua (Government)
 Mila Kent Shropshire Brain (French)
 Barbara Alice Camiel (Government)
 Janice Palmer Carlson (Art)
 Jacqueline Chalaire (Government)
 *Anne Grace Dickason (History)
 *Juliana D'Orsi (Art)
 Audrey Greene Dunn (Government)
 Linda Jane Ekstrom (Economics)
 Judith Gloss Ettlinger (Government)
 Diana Edgerton Fetter (Italian)
 Barbara Helen Foster (English)
 Joyce Palmer Fulton (History)

1955 AWARDS

- Joan Bradshaw Gilpatric (Government)
Gracia Reeves Grady (Government)
Constance Maebyrd Grant (History)
Nancy Elise Gross (American Studies)
Ann Elizabeth Kane (Government)
Mary Katherine Lent (Government)
Nancy Bingham Leverich (Government)
Marion Moore (Government)
Laurie Nath (Government)
*Nadine Olga Neuburg (Sociology)
Bernice Marjorie Paley (English)
*Eileen Patricia Peasley (English)
*Mary Montieth Pope (History)
Rosamond Reifsnyder (American Studies)
†*Anita Frances Scheminger (Mathematics)
Susan Miller Scott (Government)
Alison Leeds Smith (History)
Susan Alexander Smith (Spanish)
*Harriett Ann Ullery (English)
Eleanor Gail Ward (Government)
*Jane Glines Waterbury (Economics)
*Susan Lynn Weller (Economics)

Magna cum laude

- Eleanor Adelaide Alton (Government)
*Martha Clayton (English)
Charlotte Wyman Coe (Government)
*Luella Anne Cotton (English)
†*Anne Louise Cover (Psychology)
†*Sandra Arlene Dunn (Psychology)
*Joan Dunbar Dutton (Government)
*Anne Lois Elmendorf (History)
*Sylvia Finger (Economics)
Gail Munson Garfield (Government)
*Madeleine Goodrich (Art)
*Ann Harrington (Philosophy)
*Alice Elizabeth Henry (English)
*Nancy Jean Hunter (History)
Dorothy Carolyn Kress (French)
Elinor Towne Lockwood (Religion)
*Joyce Ranger Low (Government)
*Sallie Mae McFague (English)

1955 AWARDS

- †*Ann Morris Michelson (Premedical Science)
- *Kristin Lie Miller (Government)
- *Deborah Ann Plesser (American Studies)
- Lois Jean Sachar (Philosophy)
- *Anne Scott (Art)
- *Julia May Sharp (Spanish)
- *Deborah Lawrence Shaw (Government)
- †Jane Elizabeth Smith (Chemistry)
- *Marlene Ann Strobel (French)
- Mary Milner Thom (Art)
- *Jane Auchincloss Truslow (English)
- †*Anne Cary Williston (Chemistry)
- Elizabeth May Woodruff (Government)

Summa cum laude

- †*Claude Dominique Allerand (Premedical Science)
- *Mary Towne Lockwood (English)
- *Mary Frances McBride (Spanish)
- *Sylvia Plath (English)

CERTIFICATE OF GRADUATE STUDIES

Silvia Bonacossa, candidate for Università Commerciale Luigi Bocconi, Milan.
English.

M.S. IN PHY. ED.

Margaret Mae Brown, B.A. IN ED., Arizona State College, 1954
Hazel Schirmer Christman, B.S. IN ED., West Chester State Teachers College, 1939.
Barbara Jane Cronin, B.S., IN PHYS. ED., Westhampton College, University of Richmond, 1954.
Rita Laura Custeau, B.S. IN ED., Bridgewater State Teachers College, 1947.
Betty Jean Holland, B.S., Florida State University, 1953.
Susan Lawrence, A.B., Smith College, 1953.
Wilhelmina Desda McFee, B.S. IN PHYS. ED., Boston University, 1948.
Frances Caldwell Pulley, B.S., Florida State University, 1953.
Krishna Sapra, B.A., Kinnaird College, Lahore, 1945; DIPLOMA IN PHYSICAL EDUCATION, Y.M.C.A. College, Madras, 1949.
Juliane-Eva Susanne Sylvia von Weitersheim, B.A., Die Universiteit van Stellenbosch, 1952; SECONDARY TEACHER'S DIPLOMA, 1953.

1955 AWARDS

ED. M

- Audrey Louise Black, B.A., Hofstra College, 1953.*
Anna Parry Kraatz Ewing, A.B., Berea College, 1929.
Lorraine Norma Gaudreau, A.B., Syracuse University, 1951.
Lourdes Beth Hawkins, B.S., St. Francis Xavier College for Women, 1953.
Joanne Elizabeth Beldon Jackson, A.B., Boston University, 1946; s.b., Simmons College, 1947.
Mary Rushit, A.B., Hunter College, 1951.

A.M.

- Mae Lucille Beck, B.S., Michigan State College, 1948. Chemistry.
Lucy Peters Wilson Benson, A.B., Smith College, 1949. History.
Jean Bowen, A.B., Smith College, 1948. Music.
Vera Nadia Brewus, B.S., University of Michigan, 1953. Chemistry.
Gladys June Carr, A.B., Brooklyn College, 1954. English.
Miriam Usher Chrisman, A.B., Smith College, 1941; M.A., American University, 1948. Education and Child Study.
Mary Catherine Dowling, B.A., Seton Hill College, 1953. Zoology.
Katherine Louise Whittier Giles, A.B., Brown University, 1944. Education and Child Study.
Dorothy Georgia Kolb, B.S., St. Lawrence University, 1953. Psychology.
Yvette Kremer, Institut pour Journalistes, Brussels; London School of Economics and Political Science. Government.
Maria Lycouressi, A.B., Smith College, 1954. English.
Patricia Jane Norton, A.B., Barnard College, 1954. History.
Ann Rhodes, B.Sc., University of Durham, 1954. Chemistry.
Waltraut Carola Seitter, Albertus Magnus Universität, Köln; Friedrich Wilhelm Universität, Bonn. Physics.
Florence Elizabeth Duvall Smith, B.S., Institute of Musical Art of the Juilliard School of Music, 1944. Music.
Barbara Arlene Soderberg, A.B., Clark University, 1950. Chemistry.
Jean Bailey Thompson, A.B., Whitman College, 1954. Zoology.
Alzaleen Titcomb, M.S., Boston University, 1953. Music.
Eleanor Grace Norton Viereck, A.B., Albion College, 1952. Zoology.
Margaret Joan Voigt, A.B., Hunter College, 1953. English.
Marilyn Ann Volz, A.B., Hunter College, 1953. Geology and Geography.
Carol Margaret Vonckx, A.B., Washington University, 1954. English.
Norma Gene Wade, B.S., Roanoke College, 1953. Chemistry.

* As of 1954.

1955 AWARDS

Helen Frances Weissenborn, B.A., State College of Washington, 1954. Geology and Geography.

Corinne Grace Gordon Youda, B.S., Hartwick College, 1946. Chemistry.

PH.D.

Eva Martha Kuhn, STUD. REF., Freie Universität, Berlin, 1952. Botany and Plant Genetics.

HONORARY DEGREES

L.H.D.

Amanda Bryan Kane

L.H.D.

Marianne Craig Moore

Litt. D.

María-Rosa Lida de Malkiel

Litt.D.

Irita Van Doren

Mus.D.

Erica Morini

Sc.D.

Caroline Bedell Thomas

LL.D.

Charlotte Elizabeth Whitton

1955 AWARDS

SCHOOL FOR SOCIAL WORK DEGREES

September, 1955

M.S.S.

- Annemarie Charlotte Amberg, A.B., Queen's University, 1951.
Barbara Temma Belson, A.B., Radcliffe College, 1953.
Ilene Isreal Beron, A.B., Woman's College of the University of North Carolina, 1945.
Sophie Kanovitz Blumstein, B.S., Boston University, 1929, Diploma, New York School of Social Work, 1938.
Mary Michael Booth, PH.B., University of Chicago, 1930.
Faye Vinopoll Breuer, A.B., New York University, 1947.
Clemency Margaret Chapman, A.B., St. Anne's College, 1941, Certificate in Social Science, University of Liverpool, 1941.
Gloria Theresa Chevers, A.B., Howard University, 1945, A.M., Columbia University, 1947.
Irene Sidney Cohen, A.B., Brooklyn College, 1948.
Elizabeth Alice Ferguson, A.B., Vassar College, 1933, A.M., PH.D., Yale University, 1936, 1947.
Lucienne Fiant, Baccalaureat, Philosophy Letter, Lycée Lamartine, 1948, 1949, State Diploma of Social Work, State Diploma of Child Care, Ecole de Puériculture de la Faculté de Médecine de Paris, 1952, 1953.
Zelda Frances Freedman, A.B., Wheaton College, 1950.
Esther Gerstenfeld, A.B., Queens College, 1948.
Sara Greengard, A.B., Brooklyn College, 1949.
Mildred Micha Happ, A.B., B.ED., University of Alberta, 1950, 1952.
Veronica Mary Hari, Diploma in Social Studies, University of London, 1946.
Idalynn Herzberg, A.B., University of Cincinnati, 1939.
Marion Margaret Johnson, A.B., McGill University, 1952.
Emily Bishop Jones, A.B., Vassar College, 1953.
Barbara Jane Kahn, A.B., Alfred University, 1948.
Myra Ruth Koplin, A.B., University of Arizona, 1951.
Nancy Ellen Krakora, B.S., University of Wisconsin, 1952.
Lea Levenberg, A.B., Hunter College of the City of New York, 1938.
Gertrude Cutler Lightman, B.S., Rhode Island State College, 1947.
Johanna Larson Perry, A.B., Tufts College, 1953.
Thelma Peskin, B.S.ED., A.M., College of the City of New York, 1949, 1951.

1955 AWARDS

- Marilyn Zelda Raab, A.B., Bryn Mawr College, 1947.
Marilyn Maye Riehman, B.SC. IN SOC. ADM., Ohio State University, 1949.
Louise Ritter, A.B., Brooklyn College, 1947.
Dolores Jean Sell, A.B., Drew University, 1953.
Cecilia Silverman, A.B., Brandeis University, 1953.
Flora Moody Smith, A.B., Hunter College of the City of New York, 1953.
Elisabeth Baila Steinberg, A.B., Wheaton College, 1952.
Mary Corcoran Subak, A.B., Mount Holyoke College, 1953.
Carol Sussman, A.B., University of Connecticut, 1949.
Amelia McManus Tague, A.B., University of Akron, 1953.
Eugenia Lemen Tolson, A.B., San Diego State College, 1933.
Ida Josephine Versaci, A.B., University of Rochester, 1944.
Anna Louise Wiggins, A.B., Pennsylvania State College, 1951.
Kathryn Anne Wiley, A.B., University of North Carolina, 1951.
Dorothy Ruth Young, A.B., Virginia State College, 1945.

Smith College School for Social Work

THE STAFF

FLORENCE ROBERTS DAY, M.SC. (SOC.
ADMIN.)

ANNETTE GARRETT, A.M., M.S.S.

ESTHER H. CLEMENCE, M.S.S.

HAROLD KRAMER, M.S.

ELIZABETH CLARK JOHNSON, S.B.

MARILYN E. PARSONS, S.B.

BARBARA M. BARTLETT

GRACE K. NICHOLLS, M.S.S.

NORMAN A. POLANSKY, PH.D.

NANCY STAYER, M.S.S.

KATHERINE B. BELL, A.M., M.S.S.

GASTON E. BLOM, M.D.

MAURICE F. CONNERY, M.S.

LEONARD D. ERON, PH.D.

YONATA L. FELDMAN, A.M.

IRVING KAUFMAN, M.D.

OTHILDA KRUG, M.D.

JOHN C. LEONARD, M.D.

GEORGE E. LODGEN, A.B., LL.B.

JAMES MANN, M.D.

ELIZABETH P. RICE, M.S.

HERMAN D. STEIN, M.S.

WILLIAM WITHERS, PH.D.

Director

Associate Director

Professor of Social Work

Supervisor of Field Work

Associate Professor of Social Work

Editor of Smith College Studies in Social

Work and Supervisor of Research

Assistant Professor of Social Work

Executive Secretary and Registrar

Secretarial Assistant

Secretarial Assistant

Supervisor of Field Work

Social Casework

Supervisor of Research Group Work

and Community Organization

Supervisor of Research

Public Welfare

Psychiatry

Supervisor of Research

Clinical Psychology

Supervision

Psychiatry

Child Psychiatry

Medicine

Law

Psychiatry

Social Aspects of Medicine

Cultural Studies and Administration

Economics

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

ORGANIZATION OF THE SCHOOL

The Smith College School for Social Work was organized in 1918 as a graduate school in which to prepare psychiatric social workers for the war emergency. During 1918 and 1919 an intensive course of theory and a period of supervised practice were given to those who were graduated. These at once found their places in hospitals and social agencies. It was soon recognized that an approach to problems of social maladjustment through an understanding of the personalities involved was valid for every form of social casework. The Smith School therefore continued after the war emergency as a graduate professional school of social work and became a charter member of the Council on Social Work Education.

The first decade of the growth of the School corresponded to the period when the mental hygiene movement was enlarging its scope to include not only the better care of cases of mental illness and mental defect, but prevention of delinquency and the development of child guidance clinics. Psychiatric social workers were eagerly sought for the casework staffs of hospitals and community clinics and to carry preventive mental hygiene into courts, schools, and the public services. Social casework is a professional service which requires scientific knowledge and disciplined skill. Competent practice calls for the exercise of judgment and discretion.

EDUCATIONAL PLAN

The educational plan of the Smith College School for Social Work is based on the premise that there is a basic core of knowledge and skill in social work which transcends the specializations. The educational program is so planned as to offer sound orientation in the broad aspects of social work and the development of professional competence in the practice of social casework. Graduates are prepared to hold casework positions in a wide variety of private and public agencies and to advance to supervisory and administrative responsibilities.

Classroom Instruction

Academic study is designed to provide such knowledge from the disciplines of medicine, psychiatry, psychology, law, and the social sciences as is required for the practice of social work. The courses in the methods of social casework integrate this factual knowledge and develop the principles and skills inherent in practice. Other courses in the broad field of social work cover theory and method in such areas as public welfare, child welfare, group work, administration, and community organization. Basic considerations in carrying on research in social casework are reviewed in a course that serves as an introduction for individual work on a thesis.

In order to carry out this educational policy the curriculum consists of a relatively few units of instruction covering basic areas rather than being broken up into many elective courses. For example, the basic course in public welfare aims to develop

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

a sound comprehension of the scope and objectives of the field and to give a working knowledge of the varied individual programs on the federal, state, and local levels as they operate to meet the total needs of individuals. In the same way the casework courses demonstrate the application of casework principles in family casework, child welfare, psychiatric social work, and medical social work.

Courses offered in any one term are planned as a sequence and to achieve a total integration. Emphasis is placed on the discussion rather than the lecture method of teaching in the endeavor to train for independent and resourceful thinking. The educational process is strengthened by the fact that all the students live together on the campus of Smith College during the summer session and thereby are encouraged in continuous group thinking, mutual criticism, and discussion of the problems in the field of social work.

Field Instruction

Field work is an integral part of the curriculum, and academic credit is given for it. Students are assigned to agencies in small groups for a long and continuous practice period. This enables the student to become a participating member of the agency and community, and further the development of a professional attitude and point of view. Responsible participation under guidance during the field work gives opportunity to develop competence and self-reliance in casework practice.

Thirty-five agencies in twenty cities are affiliated with the School. These are located in large urban centers such as Community Service Society in New York, Judge Baker Guidance Center in Boston, and in smaller communities, thereby providing contrasting experience in the two winter field placements. Students are placed under a supervisor who is highly qualified as practitioner and teacher. Members of the staff, administrators, consulting psychiatrists, and research specialists participate in the educational program. These factors assure good theoretical teaching as well as the acquisition of sound and skillful methodology.

Carefully selected and supervised reading is assigned to supplement and enrich the practice period in the field. In addition to individual instruction each agency is asked to offer a weekly seminar throughout the winter.

During the field work period thesis subjects are selected and worked on under the guidance of members of the school faculty. The preparation of a thesis is regarded as part of a student's training for a profession that looks to research for advancement of its theory and practice.

Continuous supervision from the School is maintained throughout the field work period by regular visits of faculty.

Curriculum

Plan A, the regular curriculum, covers three summer sessions in academic study on the Smith campus and two winter sessions in field work in agencies selected by and responsible to the School for the educational work.

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

Plan B covers two summer sessions of academic study at the School and an intervening winter session in field work. It is designed for students who have had adequate graduate preparation or satisfactory experience in an approved casework agency.

Plan C admits persons for a single summer session. Full credit will be given toward the degree provided the student is accepted for readmission to complete the course within a period of two years.

The School *Catalogue* giving full details for the coming year will be sent upon request.

Degrees

The Trustees of Smith College, on the recommendation of the staff, grant the degree of Master of Social Science (M.S.S.) on the following conditions: (a) completion of the period of residence, namely, a minimum of five quarters of full-time work; (b) satisfactory completion of the courses required, unless exempted by examination when advanced work may be substituted; (c) satisfactory completion of a thesis.

Admission

The Smith College School for Social Work is open to women graduates of approved colleges who have completed at least twenty semester hours in the social and biological sciences. Inquiries and requests for applications for admission should be addressed to the Director, Smith College School for Social Work, Northampton.

Expenses

The fee for each summer session is \$350 which covers tuition, room, and board. For each winter session the fee is \$125.

During the periods of field work the students are personally responsible for their own maintenance and may not accept salaried positions.

Scholarships

Scholarship aid is available during the winter sessions. Certain state hospitals offer internships which cover all living expenses of students; field work agencies grant a number of scholarships to apply toward maintenance. Several stipends at \$2000 each are given by the National Institute of Mental Health for students in the second year.

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

Calendar 1956-58

First Session	June to September 1956
Second Session	September 1956 to June 1957
Third Session	June to September 1957
Fourth Session	September 1957 to June 1958
Fifth Session	June to September 1958

Seminars

The School offers a series of two-week seminars in July open to experienced social workers and limited to twenty-five members. The seminars are conducted on the discussion method under the leadership of outstanding practitioners.

PROGRAM OF ADVANCED STUDY

(Third Year)

This program of twelve months, July to July, is designed for experienced graduate caseworkers in preparation for practice, supervision, teaching, and administration. It is assumed that candidates undertaking this advanced curriculum will be preparing for positions of increased responsibility and leadership.

The program consists of formal course instruction, supervised clinical experience, and independent study. Seminars in casework and psychiatry are designed to improve the student's mastery of casework principles through a more thorough understanding of the dynamics of personality and social environment and of treatment methods. Seminars in teaching method and administrative process examine the educational and psychological principles involved. Agencies, clinics, and hospitals that are outstanding as teaching centers are used for field work.

The course is open to graduates of approved schools of social work who are well prepared in psychiatrically oriented casework, and who, following graduation, have had a minimum of three years of successful experience in a qualified casework agency.

The Board of Trustees of Smith College, upon the recommendation of the faculty, will grant a diploma to students who satisfactorily complete the course.

The Alumnae Association

Officers

President, MRS G. LYLE FISCHER, 406 Kelling Lane, Glencoe, Ill.

Vice-President, MRS EBEN M. GRAVES, Sasco Hill, Southport, Ct.

Clerk, MISS CYNTHIA WALSH, 45 Prospect Street, Northampton, Mass.

Treasurer, MRS WILLIAM R. BINGHAM, 80 Beechwood Drive, Packanack Lake, N. J.

Directors:

MRS JOHN BARKER JR., 40 Crafts Road, Chestnut Hill, Mass.

MRS WILLIAM B. BELDEN, 14908 Shaker Boulevard, Shaker Heights, Cleveland 20, O.

MRS WILLIAM P. BROOKS, 28 Walmsley Road, Noroton Heights, Ct.

MISS BARBARA DIRKS, 3601 Wisconsin Avenue, Washington 16, D. C.

MRS RICHMOND GRAY, 113 Tuckahoe Boulevard, Richmond, Va.

MRS DWIGHT A. HOGG, 1886 Asylum Avenue, West Hartford 7, Ct.

MISS RUTH HOUGHTON, 27 W. 55th Street, New York 19, N. Y.

MRS CHARLES H. MELLOR, Duck Pond Road, Locust Valley, N. Y.

MRS STANLEY R. MORTON, 5 Wheeler Avenue, Worcester, Mass.

MRS THOMAS T. RICHMOND, Weed Street, New Canaan, Ct.

MISS GERTRUDE SMITH, 77 Harrison Avenue, Northampton, Mass.

General Secretary, MRS CLIFFORD P. COWEN, Alumnae House, Northampton, Mass.

General Secretary Emeritus, MISS FLORENCE SNOW, 112 Washington Avenue, Northampton, Mass.

Editor-in-chief of the Alumnae Quarterly, MRS SOLON ROBINSON, 32 Barrett Place, Northampton, Mass.

Chairman of the Alumnae Fund, MRS CHARLES KEENE JR., 21 Wayside Lane, Scarsdale, N. Y.

THE ALUMNAE OFFICE

FRANCES ALDEN COPELAND, A.B.

KATHLEEN ELIZABETH BERRY, A.B.

WILMA CALDER CARD, A.B.

JANET EDNA DOBBS

MARION GRAVES DUFFEY, A.B.

HELEN KELLEY GALLAGHER

RUTH SELDEN GRISWOLD, A.B.

EDITH NAOMI HILL, A.B., A.M. (HON.)

Associate Secretary

Managing Editor Alumnae Quarterly

Alumnae Fund Secretary

Assistant

Assistant

Assistant

Bursar

Honorary Editor Alumnae Quarterly

THE ALUMNAE ASSOCIATION

HARRIETTE PEALE HODGDON

Assistant

ELEANOR HOWARD

Assistant

HENRIETTE SEBRING, A.B.

House Director of the Alumnae House

HAZEL HOWARD TURNER

Assistant

SONIA TUROMSHA

Assistant

PRESIDENTS OF CLUBS

ARIZONA

Phoenix, Mrs George C. Bright, 4257 N. 17th Avenue

Tucson, Mrs Frank P. Knight, Jr., 3426 E. Hawthorne Street

CALIFORNIA

Berkeley, Mrs Thomas K. Whipple, 669 Woodmont Avenue

Marin County, Mrs Evans G. Valens, Jr., 280 Rose Avenue, Mill Valley

Peninsula, Mrs Lawrence B. Taylor, 345 Glendale Road, San Mateo

San Diego County, Mrs Thorpe L. Edmonds, 3637 Curtis Street, San Diego 6

San Francisco, Mrs H. Scott Conley, Jr., 2875 Green Street

Southern, Mrs Daniel M. Brigham, 2265 Huntley Circle, San Marino 9

CANADA

Montreal and Province of Quebec, Mrs George A. Brakeley, Jr., 52 Rosemount Avenue, Westmount

Toronto, Mrs Oscar Kofman, 136 Rosedale Heights Drive

COLORADO

Mrs H. Calvin Fisher, 1650 Monaco Parkway, Denver 7

CONNECTICUT

Bridgeport, Mrs Vincent L. Keating, 1146 Valley Road

Darien-New Canaan, Mrs Hugh Gallaher, 192 Leroy Avenue, Darien

Eastern, Miss Gertrude Coit, 760 Williams Street, New London

Greenwich, Mrs Henry W. Manville, Fairfield Road

Hartford, Mrs Frederic S. Hoffer, Jr., 38 Foxridge Road, West Hartford 7

New Haven, Miss Elizabeth Lott, 2135 Chapel Street

Waterbury-Litchfield Hills, Mrs Jack L. Leon, South Kent

DELAWARE

Mrs Robert T. Crosby, 102 Oxford Place, Alapocas, Wilmington 3

D.C., WASHINGTON

Mrs Lewis H. Craven, 5308 Blackistone Road

ENGLAND

London, Mrs Edwin R. Boyd, Heatherhyll, Doonfoot, Ayr, Scotland

THE ALUMNAE ASSOCIATION

FLORIDA

Fort Lauderdale, Mrs Albert J. Hoffmann, 900 S. W. Coconut Drive
Jacksonville, Mrs Adams Mitchell, 568 Bishopsgate Lane
Miami, Mrs Edwin H. Mairs, 4116 Douglas Road, Coconut Grove
Sarasota, Mrs Lloyd E. Young, 8100 Westmoreland Drive
West, Mrs Elizabeth S. Jackson, 570 Edgewater Drive, Dunedin

FRANCE

Paris, Mrs Marcel De Gallaix, 20bis rue Boissière

GEORGIA

Atlanta, Mrs Cortlandt F. Luce, Jr., 2373 Alton Road N.W.

HAWAII

Mrs Dale W. Wickham, 4354 Tantalus Drive, Honolulu

ILLINOIS

Central, Mrs E. Mark Evans, 1007 Broadway, Normal
Chicago, Mrs Ralph W. Davis, 321 Franklin Street, Geneva
North Shore, Mrs Donald K. Keith, 899 Forest Glen Drive E., Winnetka
North Side, Mrs Brace Pattou, 1338 N. Dearborn Parkway
South Side, Mrs Andrew W. Lawson, Jr., 5645 Woodlawn Avenue
West Suburban, Mrs Gerry J. Schnur, County Line Road, Barrington

INDIANA

Indianapolis, Mrs James E. Loer, 49 W. 42d Street

KENTUCKY

Mrs Alexander P. Humphrey, 4095 Massie Avenue, Louisville

MAINE

Eastern, Mrs Robert H. Walker, 32 Crestmont Road, Bangor
Western, Mrs Millard S. Peabody, State Road, Falmouth Foreside, Portland

MARYLAND

Baltimore, Mrs William B. Athey 2d, 215 Upnor Road

MASSACHUSETTS

Andover, Mrs Frederic W. H. Stott, 26 Salem Street
Berkshire County, Miss Margaret Kaliher, 22 Pomeroy Avenue, Pittsfield
Boston League, Mrs H. Starr Ballou, 51 Livermore Road, Wellesley Hills
Boston, Mrs Richard Chute, 78 Upland Road, Brookline 46
Cambridge, Mrs Bradford Washburn, 76 Sparks Street
Lexington, Mrs. William G. Haseltine, 22 Fletcher Road, Belmont 78
Newton, Mrs Edward Blake, 44 Lombard Street
North Shore, Mrs Warren P. Osborne, 9 Baltimore Street, Lynn

THE ALUMNAE ASSOCIATION

South Shore, Mrs Hollis T. Gleason, Cohasset
Wellesley, Mrs Stephen W. Grant, 78 Leighton Road
Winchester, Mrs Austin Broadhurst, 18 Glen Road
Fitchburg, Mrs R. William Brown, Jr., Heald Road, Pepperell
Franklin County, Mrs James E. Cleary, 57 Madison Circle, Greenfield
Greater Lowell, Dr Harriet P. Leach, Concord Road, Billerica
Hampshire County, Mrs Warner N. King, 26 James Avenue, Northampton
Holyoke, Mrs Philip C. Whiting, Jr., 7 Yale Street
Merrimack Valley, Mrs William A. Harriman, 333 Main Street, West Newbury
Southeastern, Mrs William H. Hatch, 8 Farmfield Street, Fairhaven
Springfield, Miss Frances Powers, 2077 Parker Street
Worcester, Mrs John P. Sedgwick, 62 Cedar Street

MICHIGAN

Ann Arbor, Miss Eleanor Collins, 810 Berkshire Road
Detroit, Mrs W. Brace Krag, 185 Merriweather Road, Grosse Pointe 36
Grand Rapids, Mrs Gerald E. White, 44 Morningside Drive S. E.
Oakland County, Mrs Richard C. Van Dusen, 1772 Pine Street, Birmingham

MINNESOTA

Minneapolis, Mrs George E. MacKinnon, R. F. D., Maple Plain
St. Paul, Miss Margaret Maynard, 1994 Portland Avenue

MISSOURI

Kansas City, Mrs George C. Dillon, 23 W. 70th Street
St. Louis, Mrs Charles L. Martin 2d, 17 Jefferson Road, Webster Groves 19

NEBRASKA

Omaha, Mrs Edgar M. Morsman, 675 N. 57th Street

NEW HAMPSHIRE

Mrs F. Hammond Dickson, Pleasant Street, Colebrook

NEW JERSEY

Montclair, Mrs Charles A. Lockard, 15 Douglas Road, Glen Ridge
Northern, Mrs Donald M. Liddell, Jr., 181 E. Linden Avenue, Englewood
The Oranges, Mrs John H. Crawford, Jr., 289 Reynolds Terrace, Orange
Princeton, Mrs Shepard Kimberly 2d, 33 Southern Way
Watchung Hills, Mrs William J. S. Phillips, 15 C New England Avenue, Summit

NEW YORK

Albany, Mrs William G. Keens, Jr., 91 West Street
Brooklyn, Mrs James M. Hills, 876 Carroll Street
Buffalo, Mrs M. Huyett Sangree, 118 Paramount Parkway, Kenmore 21
Long Island, Mrs Gladys H. Holt, 24 Sunset Drive, Manhasset

THE ALUMNAE ASSOCIATION

New York, Mrs Eduardo Andrade, 215 E. 72d Street
(Clubhouse: Hotel Barclay, 111 E. 48th Street, New York City)
Queens Borough, Mrs Allyn B. Gray, 8740 Elmhurst Avenue, Elmhurst 73
Rochester, Mrs Arnold Weissberger, 36 Southern Parkway
Schenectady, Mrs Charles A. Woodrow, 1203 Wendell Avenue
Syracuse, Mrs Kenneth B. Crowell, 227 Pelham Road, Dewitt
Taconic, Mrs William L. MacMichael, 21 Flower Hill, Poughkeepsie
Utica, Mrs Thomas B. Bowne, 2 Seward Street
Westchester, Mrs Ivan S. Flood, 218 Beach Avenue, Mamaroneck

OHIO

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Cincinnati, Mrs Robert R. Rollins, 680 Christopal Drive
Cleveland, Mrs James R. Stewart, 19201 Shaker Boulevard, Shaker Heights 22
Columbus, Mrs Everett H. Krueger, 1860 Tewksbury Road
Dayton, Mrs J. Ramsay McGregor, 34 E. Dixon Avenue
Lakewood, Mrs Hannah K. Bortz, 15416 Lake Avenue
Toledo, Miss Olive Kirkby, 2520 Monroe Street
Youngstown, Mrs Robert J. Renner, 405 Crandall Avenue

OREGON

Portland, Mrs Donald E. Forster, 11340 S W Breyman Avenue

PENNSYLVANIA

Philadelphia, Mrs Robert J. Ogilvie, 2814 Midvale Avenue
Pittsburgh, Mrs Donald H. Butler, R. D. 2, Allison Park

RHODE ISLAND

Mrs Donald Kirkpatrick, 415 Wayland Avenue, Providence

SOUTH CAROLINA

Charleston, Miss Mary Vardrine McBee, 154 Rutledge Avenue

TEXAS

Dallas, Mrs Arthur J. Hammer, 4550 Rheims Place
Houston, Mrs Michael I. Kearns, 1858 Norfolk
San Antonio, Mrs Marshall A. Webb, 565 Grandview

UTAH

Salt Lake City, Mrs Richard D. Hess, 5450 Highland Drive

VERMONT

Mrs A. John Holden, Jr., Grassy Ledge, Montpelier

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James River, Mrs George D. Gibson, 9 River Road, Richmond

THE ALUMNAE ASSOCIATION

WASHINGTON

Seattle, Mrs David B. McGaw, 4151 42d N. E.

WEST VIRGINIA

Mrs Ralph J. Jones, 733 Myrtle Road, Charleston, 4

WISCONSIN

Mrs David B. Lovejoy, 830 E. Fairy Chasm Road, Milwaukee
Madison, Mrs Richard W. Stevens, 5305 Tonyawatha Trail

Summary of Students in College

1955-1956

FRESHMAN CLASS (1959)	616
SOPHOMORE CLASS (1958)	615
JUNIOR CLASS (1957)	522
France	32
Guest students	12
Geneva	32
Guest students	11
Italy	12
Guest students	6
Spain	9
Guest students	5
Toronto	2
SENIOR CLASS (1956)	472
Out of residence	2
TOTAL UNDERGRADUATES	2225
GRADUATE STUDENTS	60
NONCOLLEGIATE STUDENTS	18
NONRESIDENT FELLOWS AND SCHOLARS	9
TOTAL	2312

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

	Class of 1956	Class of 1957	Class of 1958	Class of 1959	Graduate Students
Alabama	1	0	0	0	0
Arizona	0	1	0	1	0
Arkansas	0	0	0	0	0
California	1	6	15	14	1
Colorado	3	4	7	4	2
Connecticut	55	50	59	62	0
Delaware	3	4	3	5	0
District of Columbia	5	8	9	11	1
Florida	3	1	4	7	0
Georgia	1	1	1	2	0
Idaho	0	0	0	0	0
Illinois	22	28	36	24	4
Indiana	4	2	8	3	0
Iowa	1	3	1	0	0
Kansas	0	1	0	1	0
Kentucky	4	2	2	7	1
Louisiana	0	1	2	5	0
Maine	0	3	3	3	1
Maryland	7	2	10	9	1
Massachusetts	74	75	84	85	18
Michigan	7	8	11	12	1
Minnesota	5	7	9	12	0
Mississippi	0	0	0	1	0
Missouri	7	9	13	12	1
Montana	1	0	0	0	0
Nebraska	2	1	3	2	0
Nevada	0	0	0	0	0
New Hampshire	5	3	3	6	1
New Jersey	40	38	58	44	1
New Mexico	0	1	0	1	0
New York	133	120	145	142	5
North Carolina	2	2	1	3	0
North Dakota	0	0	1	0	0
Ohio	22	31	25	39	3
Oklahoma	2	4	3	6	0
Oregon	0	1	1	4	0
Pennsylvania	26	28	42	30	1
Rhode Island	6	3	6	7	0
South Carolina	0	0	1	1	0
South Dakota	0	0	0	0	0

GEOGRAPHICAL DISTRIBUTION

	Class of 1956	Class of 1957	Class of 1958	Class of 1959	Graduate Students
Tennessee	1	1	3	2	0
Texas	3	9	11	11	0
Utah	0	1	1	0	0
Vermont	4	1	4	3	1
Virginia	5	3	6	12	0
Washington	3	4	1	3	1
West Virginia	0	1	0	3	0
Wisconsin	5	4	12	8	0
Wyoming	0	2	1	0	0
	<hr/> 463	<hr/> 474	<hr/> 605	<hr/> 607	<hr/> 45

Arabia	0	0	1	0	0
Argentina	1	0	0	0	0
Belgium	1	0	0	0	1
Bermuda	0	1	0	0	0
Brazil	1	0	0	0	0
Canada	1	4	4	2	1
Ceylon	0	0	0	0	1
Egypt	0	0	1	0	0
England	0	1	0	0	1
Formosa	0	0	0	0	1
France	1	1	0	0	0
Germany	1	1	1	0	0
Greece	0	2	0	1	1
Hawaii	0	3	0	2	1
Italy	0	0	0	0	1
Jamaica	1	0	0	0	0
Japan	0	0	0	0	2
Korea	1	0	0	0	1
Lebanon	0	0	0	0	2
Philippines	0	0	0	0	1
Porto Rico	0	0	0	1	0
Spain	0	1	0	0	0
Switzerland	0	0	0	1	0
Thailand	0	0	0	0	1
Venezuela	0	1	0	2	0
	<hr/> 471	<hr/> 489	<hr/> 612	<hr/> 616	<hr/> 60

Schedule of Midyear Examinations for the Year 1955-56

The term "sectioned course" as used in this schedule means a course in which there are no hours of meeting in common for all the students of the course. Examinations for courses not included will be arranged before the examination period.

	<i>1st Day</i>	<i>2nd Day</i>	<i>3rd Day</i>	<i>4th Day</i>	<i>5th Day</i>
8:00-10:20	All classes scheduled for W Th F 3 except sectioned courses	Music 11 Music 21	All classes scheduled for Th F S 10 except sectioned courses	General Literature 291	All classes scheduled for W Th F 2 except sectioned courses
10:45-1:05	Religion 11 Speech 11a	All classes scheduled for M T W 10 except sectioned courses	All classes scheduled for Th F S 12 except sectioned courses	All classes scheduled for Th F S 9 except sectioned courses	All classes scheduled for M T W 2 except sectioned courses
2:30-4:50	All classes scheduled for M T W 9 except sectioned courses	Italian 11 Italian 11b Spanish 11 Spanish 11b Spanish 12 Spanish 16 Spanish 25	German 11 German 11b German 12 German 26	All classes scheduled for M T 4 except sectioned courses	History 11

Schedule of Midyear Examinations for the Year 1955-56

Continued

EXAMINATION SCHEDULES

	6th Day	7th Day	8th Day	9th Day
8:00-10:20	Mathematics 12 Mathematics 13 Mathematics 21a Mathematics 22a	All classes scheduled for Th F 4 except sectioned courses	French 22a	Philosophy 11 Philosophy 24
10:45-1:05	French 11d French 12 French 13 French 15 French 16 French 25 French 26	All classes scheduled for M T W 12 except sectioned courses	Psychology 11a	All classes scheduled for Th F S 11 except sectioned courses
2:30-4:50	All classes scheduled for M T W 3 except sectioned courses	Physics 11 Physics 12 Theatre 12	All classes scheduled for M T W 11 except sectioned courses	Economics 21

INDEX

- Academic divisions, 29, 39
- Academic Record, 45
- Acceleration, 39
- Administrative Officers, 19
- Admission, 35
 - Advanced standing, 38
 - Entrance requirements, 35, 36
 - Entrance tests, 36, 37
 - Foreign students, 38
 - Graduate students, 154
 - Noncollegiate students, 38
- Advisers, 28
- Alumnae Association Officers, 191
 - Presidents of Clubs, 192
- American College Council for Summer Study Abroad, 44
- American Studies major, 150
- Architecture & Landscape Architecture courses, 51, 52, 53, 54, 55, 56
- Art courses, 51
- Astronomy courses, 57
- Auditors, 38, 47
- Awards, 173
- Bacteriology courses, 59; major, '152
- Biblical Literature courses, 129
- Bills, 2, 160
- Board, 161, 162
- Botany courses, 61
- Buildings, 157
- Buildings & Grounds, Department of, 26
- Calendar, College, 5; yearly, 4
- Certificate for Foreign Students, 154;
 - of Graduate Studies, 181
- Chemistry courses, 64
- Child Study courses, 74
- Classical Languages & Literatures, 67
- Classics courses, 70
- College Board tests, 36; regulations, 37
- Committees, Faculty, 27
- Cooperative houses, 159, 162
- Correspondence, Names for, 2
- Counselors, Board of, 6
- Courses of Study, 48
- Curriculum, 39
- Dance courses, 119, 141
- Day School, 25, 32, 158
- Deaf, Teaching of the, 78, 143
- Dean's List, 45
- Degrees conferred 1955, 175, 181, 182, 183
- Degrees, Requirements for
 - Bachelor of Arts, 39
 - Doctor of Philosophy, 154
 - Master of Arts, 154
 - Master of Education, 154
 - Master of Science in Physical Education, 120, 154
 - Master of Social Science, 189
- Deposits, 35, 42
- Divisions of the curriculum, 39
- Economics courses, 71
- Education courses, 74
- Election of courses, 45
- Elisabeth Morrow Morgan Nursery School, 25, 32, 158
- English courses, 79; requirements, 40
- Entrance requirements, 35; tests, 36, 37, 38
- Examination schedules, 200
- Exclusion from college, 45, 118
- Expenses, 42, 160, 189
- Faculty, 7
- Failures, 45, 118
- Fees, for auditors, 38
 - Graduation, 160
 - Gymnasium suits, 160
 - Junior Year Abroad, 42
 - Noncollegiate students, 38
 - Practical music, 160
 - Practice rooms, 160
 - Registration 35, 160
 - Scholastic Aptitude & Achievement Tests, 37
 - School for Social Work, 189
 - Sports, 118, 160
- Fellowships, 154, 163
- First Group Scholars, 174
- Foreign Students, 38, 154
- French courses, 84
- Freshman requirements, 40
- Geographical distribution of students, 198
- Geology and Geography courses, 88
- General Literature major, 151
- German courses, 92
- Government courses, 95

- Grades, 39, 45
- Graduate Study, 154
- Greek courses, 67, 129
- Gymnasium suits, 118, 160
- Heads of House, 26, 156
- Health, 156
- Health Service, 22
- Hebrew course, 130
- History courses, 99
- History of Smith College, 30
- Honors, 44; conferred, 179, 183
- Houses, 155, 159
- Infirmary, 23, 156, 160
- Insurance, 42, 156
- Interdepartmental courses, 49
- Interdepartmental majors, 41, 150
- Italian courses, 106
- Junior requirements, 41
- Junior Year Abroad, 32, 42
- Key to symbols and abbreviations, 7, 48
- Language houses, 159
- Language requirement, 40
- Latin courses, 68
- Library, 23, 157
- Loans, 162
- Major, the, 41
- Mathematics courses, 107
- Midyear Examination schedule, 200
- Minimum of hours, 38, 39, 40, 46
- Museum of Art, 24, 157
- Music courses, 110
 - Entrance requirements, 113
 - Fees for practical music, 160
- Noncollegiate students, 38
- Nursery School, 25, 32, 158
- Phi Beta Kappa Society, 45
- Philosophy courses, 115
- Physical Education courses, 118
 - Courses in Teacher Training, 120
 - Requirement, 119
- Physics courses, 121
- Physiological Chemistry major, 152
- Plant, 157
- Portuguese courses, 138
- Premedical Science major, 153
- Prizes, 170, 173
- Professional Schools, preparation for, 152, 153
- Psychology courses, 125
- Radio course, 142
- Reading Clinic, 75
- Readmission, 38
- Registrar's List, 45
- Registration, 35; for freshmen, 5
- Religion courses, 129
- Religious life, 156, 159
- Requirements for Admission, 35, 36, 38
 - College requirements, 39, 40, 41
- Residence, 155; required, 38
- Residence scholarships, 162
- Riding fees, 118, 160
- Room assignments, 35, 155
- Rules for election of courses, 45
- Russian courses, 132
- Scholars, List of 174
- Scholarship, 45
- Scholarships, 161, 189
 - Endowed, 164
 - First Group, 161
 - Residence, 162
- Scholastic Achievement Tests, 36
 - Aptitude Tests, 36
- Self-help, 162
- Senior requirements, 41
- Shortage of hours, 38, 45, 46
- Sigma Xi, Society of the, 45
- Signs and abbreviations, 7, 48
- Smith College Day School, 25, 32, 158
- Social Work, School for, 25, 186
 - Degrees conferred, 184
- Sociology courses, 134
- Sophomore requirements, 40
- Spanish courses, 138
- Speech courses, 141
- Sports fees, 118, 160
- Students' Aid Society, 2, 162
- Students, summary of, 197
- Teaching Fellows, 18
- Teaching fellowships, 154
- Teaching requirements, 75
- Theatre courses, 143
- Trustees, Board of, 6
- Tuition, 160
- Visitors, 2
- Vocational counseling, 156; Office, 22
- William Allan Neilson Chair, 34
- Withdrawal from college, 35
- Zoology courses, 146

